电源管理

线性稳压器	P.28	开关稳压器	P.43
复合电源IC(PMIC)	P.48	非绝缘型　AC-DC转换器	P.50
绝缘/非绝缘型　AC-DC转换器	P.51	绝缘型　AC-DC转换器IC	P.52
栅极驱动器	P.54	电源管理开关	P.55
无线供电	P.57	电池管理	P.58
电压检测器(复位IC)	P.59		

线性稳压器

标准稳压器(三引脚稳压器)	P.28	低饱和稳压器(LDO)	P.28
超低饱和稳压器(LDO)	P.40	多通道输出 低饱和稳压器(LDO)	P.41
带看门狗计时器的低饱和稳压器(LDO)	P.41	带电压检测器的低饱和稳压器(LDO)	P.42
电压跟踪器	P.42	高音质音响用电源	P.42
DDR SDRAM用线性稳压器	P.42		

单通道输出稳压器-产品表

Output Current / Max. Rating Input Voltage	up to 0.1A	0.15A	0.2A	0.3A	0.5A	0.7A	1.0A	1.5A	2.0A	3.0A	4.0A
42 to 50V	BD42500G-C*2/3 BD42540FJ-C*2/3 ▶P.42 BD7xxL05G-C ▶P.29	BD9xxN1*2 BD9xxN1W*2 ▶P.29	BD7xxU2EFJ-C*2 BD4xxU2EFJ-C*2 BD7xxL2FP-C*2 BD7xxL2FP3-C*2 BD4xxU2EFJ-C*2 BD4xxM2FP3-C*2 ▶P.28 BD4xxM2WFP3-C*2 BD4xxU2WEFJ-C*2 ▶P.29 BD4269FJ-C*2/3 BD42530UEFJ-C*2 BD42530FP2-C*2 BD42530FPJ-C*2 ▶P.42 BD820F5UEFJ-C*2 ▶P.41	BD4269UEFJ-C*2 ▶P.42	BD357xYFP-M BD7xxL5FP-C*2 BD4xxM5*1/2 ▶P.28 BDxxxM5W*1/2 BD00EA5W*1/2 ▶P.29 BD4271EFJ-C*2/3 BD4271HFP-C*2/3 BD4271FP2-C*2/3 ▶P.41 BD42754FPJ-C*2/3 BD42754FP2-C*2/3 ▶P.42	BD800M7WFP2-C*2 ▶P.29					
30 to 36V	BDxxFA1FP3 BD50FA1MG-M*2 BD00FA1WEFJ ▶P.31			BD3650FP-M*2 ▶P.29 BA3662CP-V5 ▶P.31	BA178Mxx*1 ▶P.28 BD3021HFP*2/3 BD3020HFP*2/3 ▶P.41 BD3925FP-C*2 BD3925HFP-C*2 ▶P.42		BA178xx*1 ▶P.28 BAxxxCC0*1 BDxxFC0FP BDxxC0A*1/2 BDxxFC0W*1 BAxxCC0W*1 ▶P.30 BDxxC0AW*1/2 ▶P.31		BAxxDD0T BAxxDD0W*1 ▶P.29 BDxxFD0W BD00FDAWHFP ▶P.30		
18V							BAxxBC0*1 ▶P.31 BAxxBC0W*1 ▶P.32	BAxxJC5T BA00JC5WT ▶P.31			
15V				BDxxGA3*1/2/4 ▶P.33	BDxxGA5*2/4 ▶P.32, 33		BA1117FP ▶P.28 BDxxGC0*2/4 ▶P.32				
10V				BDxxHA3*2/4 ▶P.35	BDxxHA5*2/4 ▶P.34, 35		BDxxHC0*2/4 ▶P.34	BDxxHC5*2/4 ▶P.34			
6 to 7V		BHxxNB1WHFV BHxxRB1WGUT BHxxPB1WHFV ▶P.40	BUxxTD2WNVX*1 BUxxTD3WG*1 BUxxTA2W*1 ▶P.38 BUxxSD2MG-M*2 BUxxJA2MNVX-C*2 BUxxJA2VG-C*2 BUxxJA2DG-C*2 BUxxSA4WGWL ▶P.39	BHxxM0AWHFV ▶P.37 BUxxJA3DG-C*2 ▶P.38	BDxxKA5*1 BDxxIA5*2 ▶P.36 BUxxSD5WG BUxxSA5WGWZ ▶P.37		BDxxIC0*1/2/4 ▶P.35, 36				
less than 6V	BD7602GUL (1ch) ▶P.41	BD7062GUL (2ch) ▶P.41	BD820F5UEFJ-C BU66xxNUX ▶P.41		BD3550HFN BD3540NUV ▶P.40 BD37201NUX ▶P.42		BD00JC0MNUX-M BD3551HFN BD3541NUV ▶P.40		BD3552HFN ▶P.40	BD3508MUV ▶P.40	BD3509MUV ▶P.40

*1 封装系列　*2 车载等级　*3 电压检测等复合稳压器　*4 备有工业设备级产品

线性稳压器

关于输入电压，请考虑输出电压值以及输入输出电压差后使用。

标准稳压器(三引脚稳压器)

35V耐压 1A输出 三引脚稳压器

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Circuit Current (mA)	Thermal Shutdown Circuit	Area of Safety Operation Circuit	Over Current Protection Circuit	Package/Part No. TO220CP-3	Package/Part No. TO252-3
BA17805 (BA7805)	7.5 to 25.0	5	±4	1.0	4.5	✓	✓	✓	BA17805CP	BA17805FP
BA17806 (BA7806)	8.5 to 21.0	6							BA17806CP	BA17806FP
BA17807 (BA7807)	9.5 to 22.0	7							BA17807CP	BA17807FP
BA17808 (BA7808)	10.5 to 23.0	8							BA17808CP	BA17808FP
BA17809 (BA7809)	11.5 to 26.0	9							BA17809CP	BA17809FP
BA17810 (BA7810)	12.5 to 25.0	10							BA17810CP	BA17810FP
BA17812 (BA7812)	14.5 to 27.0	12							BA17812CP	BA17812FP
BA17815 (BA7815)	17.5 to 30.0	15							BA17815CP	BA17815FP
BA17818 (BA7818)	21.0 to 33.0	18							BA17818CP	BA17818FP
BA17820 (BA7820)	23.0 to 33.0	20							BA17820CP	BA17820FP
BA17824 (BA7824)	27.0 to 33.0	24							BA17824CP	BA17824FP

35V耐压 500mA输出 三引脚稳压器

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Circuit Current (mA)	Thermal Shutdown Circuit	Area of Safety Operation Circuit	Over Current Protection Circuit	Package/Part No. TO220CP-3	Package/Part No. TO252-3
BA178M05 (BA78M05)	7.5 to 25.0	5	±4	0.5	4.5	✓	✓	✓	BA178M05CP	BA178M05FP
BA178M06 (BA78M06)	8.5 to 21.0	6							BA178M06CP	BA178M06FP
BA178M07 (BA78M07)	9.5 to 22.0	7							BA178M07CP	BA178M07FP
BA178M08 (BA78M08)	10.5 to 23.0	8							BA178M08CP	BA178M08FP
BA178M09 (BA78M09)	11.5 to 26.0	9							BA178M09CP	BA178M09FP
BA178M10 (BA78M10)	12.5 to 25.0	10							BA178M10CP	BA178M10FP
BA178M12 (BA78M12)	15.0 to 27.0	12							BA178M12CP	BA178M12FP
BA178M15 (BA78M15)	17.5 to 30.0	15							BA178M15CP	BA178M15FP
BA178M18 (BA78M18)	21.0 to 33.0	18							BA178M18CP	BA178M18FP
BA178M20 (BA78M20)	23.0 to 33.0	20							BA178M20CP	BA178M20FP
BA178M24 (BA78M24)	27.0 to 33.0	24							BA178M24CP	BA178M24FP

15V耐压 1A输出 可变输出 LDO稳压器

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Adjustment Pin Current (μA)	Reference Voltage (V)	Ripple Rejection (dB)	Load Regulation (mV)	Protection Circuit	Package
BA1117FP	10	Variable	±1	1.0	60	1.2 (I_O=1A)	75 (f=120Hz, V_I-V_O=3V, Vripple=1V_{PP})	10	Over-Current/ Temperature	TO252-3

低饱和稳压器(LDO)

50V耐压 500mA 可变输出/固定输出 LDO稳压器

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Saturation Voltage (V)	Circuit Current (μA)	Operating Temperature (°C)	Shutdown Switch	Protection Circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD3570YFP-M	4.5 to 36.0	3.3	±2 (T_a=−40 to +125°C)	0.5	–	30	T_a=−40 to +125	–	Over-Current/ Temperature	TO252-3	FSs	YES
BD3570YHFP-M										HRP5	FSs	YES
BD3571YFP-M	5.5 to 36.0	5.0			0.25 (I_O=200mA)					TO252-3	FSs	YES
BD3571YHFP-M										HRP5	FSs	YES
BD3572YFP-M	4.5 to 36.0	Variable 2.8 to 12.0								TO252-5	FSs	YES
BD3572YHFP-M										HRP5	FSs	YES
BD3573YFP-M		3.3			–			✓		TO252-5	FSs	YES
BD3573YHFP-M										HRP5	FSs	YES
BD3574YFP-M	5.5 to 36.0	5.0			0.25 (I_O=200mA)					TO252-5	FSs	YES
BD3574YHFP-M										HRP5	FSs	YES
BD3575YFP-M	4.5 to 36.0	Variable 2.8 to 12.0								TO252-5	FSs	YES
BD3575YHFP-M										HRP5	FSs	YES

50V耐压 超低静态电流 500mA LDO稳压器

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Saturation Voltage (V)	Circuit Current (μA)	Operating Temperature (°C)	Shutdown Switch	Protection Circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD733L5FP-C	4.17 to 45.0	3.3	±2 (T_a=−40 to +125°C)	0.5	0.4 (I_O=200mA)	6	T_a=−40 to +125	–	Over-Current/ Temperature	TO252-3	FSs	YES
BD750L5FP-C	5.6 to 45.0	5.0			0.25 (I_O=200mA)					TO252-3	FSs	YES

50V耐压 超低静态电流 200mA LDO稳压器

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Saturation Voltage (V)	Circuit Current (μA)	Operating Temperature (°C)	Shutdown Switch	Protection Circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
New BD733U2EFJ-C	4.37 to 45.0	3.3	±2 (T_a=−40 to +125°C)	0.2	0.6 (I_O=200mA)	6	T_a=−40 to +125	–	Over-Current/ Temperature	HTSOP-J8	FSs	YES
BD733L2FP-C										TO252-3	FSs	YES
BD733L2FP3-C										SOT223-4	FSs	YES
New BD750U2EFJ-C	5.8 to 45.0	5.0			0.4 (I_O=200mA)					HTSOP-J8	FSs	YES
BD750L2FP-C										TO252-3	FSs	YES
BD750L2FP3-C										SOT223-4	FSs	YES

45V耐压 低静态电流 500mA LDO稳压器

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	I/O Voltage Difference (V)	Circuit Current (μA)	Operating Temperature (°C)	Shutdown Switch	Protection Circuit	Package/Part No. TO252-3	Package/Part No. TO263-3	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD433M5	4.0 to 42.0	3.3	±2 (T_j=−40 to +150°C)	0.5	0.25 (I_O=300mA)	38	T_j=−40 to +150	–	Over-Current/ Temperature	BD433M5FP-C	BD433M5FP2-C	FSs	YES
BD450M5	5.5 to 42.0	5.0			0.2 (I_O=300mA)					BD450M5FP-C	BD450M5FP2-C	FSs	YES

45V耐压 低静态电流 200mA LDO稳压器

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	I/O Voltage Difference (V)	Circuit Current (μA)	Operating Temperature (°C)	Shutdown Switch	Protection Circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
New BD433U2EFJ-C	3.9 to 42.0	3.3	±2 (T_j=−40 to +150°C)	0.2	0.2 (I_O=100mA)	40	T_j=−40 to +150	–	Over-Current/ Temperature	HTSOP-J8	FSs	YES
BD433M2FP3-C										SOT223-4	FSs	YES
New BD450U2EFJ-C	5.5 to 42.0	5.0			0.16 (I_O=100mA)					HTSOP-J8	FSs	YES
BD450M2FP3-C										SOT223-4	FSs	YES

*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

关于输入电压，请考虑输出电压值以及输入输出电压差后使用。

45V耐压 低静态电流 150mA 可变输出/固定输出 LDO稳压器

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	I/O Voltage Difference (V)	Circuit Current (μA)	Operating Temperature (°C)	Shutdown Switch	Protection Circuit	Package/Part No. HTSOP-J8	Package/Part No. SSOP5	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
New BD900N1	3 to 42	Variable	±2.0	0.15	0.5 (I_O=100mA)	28	T_j=−40 to +150	—	Over-Current/ Temperature	BD900N1EFJ-C	BD900N1G-C	FSs	YES
New BD933N1		3.3								BD933N1EFJ-C	BD933N1G-C	FSs	YES
New BD950N1		5.0								BD950N1EFJ-C	BD950N1G-C	FSs	YES

45V耐压 低静态电流 50mA LDO稳压器

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	I/O Voltage Difference (V)	Circuit Current (μA)	Operating Temperature (°C)	Shutdown Switch	Protection Circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
New BD725L05G-C	3.5 to 42.0	2.5	±2	0.05	—	6	−40 to +125	—	Over-Current/ Temperature	SSOP5	FSs	YES
New BD730L05G-C	3.5 to 42.0	3.0			0.3 (I_O=50mA)					SSOP5	FSs	YES
New BD733L05G-C	3.8 to 42.0	3.3								SSOP5	FSs	YES
New BD750L05G-C	5.6 to 42.0	5.0			0.35 (I_O=50mA)					SSOP5	FSs	YES

45V耐压 低静态电流 700mA 可变输出 LDO稳压器 带关断开关

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	I/O Voltage Difference (V)	Circuit Current (μA)	Operating Temperature (°C)	Shutdown Switch	Protection Circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD800M7WFP2-C	3.0 to 42.0	Variable 1.2 to 16.0	±2.6 (T_j=−40 to +150°C)	0.7	0.6 (I_O=700mA)	17	T_j=−40 to +150	✓	Over-Current/ Temperature	TO263-5	FSs	YES

45V耐压 低静态电流 500mA LDO稳压器 带关断开关

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	I/O Voltage Difference (V)	Circuit Current (μA)	Operating Temperature (°C)	Shutdown Switch	Protection Circuit	Package/Part No. TO252-5	Package/Part No. TO252-J5	Package/Part No. TO263-5	Package/Part No. HRP5	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD433M5W	4.0 to 42.0	3.3	±2 (T_j=−40 to +150°C)	0.5	0.25 (I_O=300mA)	38	T_j=−40 to +150	✓	Over-Current/ Temperature	—	BD433M5WFPJ-C	BD433M5WFP2-C	—	FSs	YES
BD450M5W	5.5 to 42.0	5.0			0.2 (I_O=300mA)					—	BD450M5WFPJ-C	BD450M5WFP2-C	—	FSs	YES
BD800M5W	3.0 to 42.0	Variable 1.2 to 16.0	±2.0		0.5 (I_O=500mA)	17	T_j=−40 to +150			—	BD800M5WFPJ-C	—	BD800M5WHFP-C	FSs	YES
			±2.6							—	—	BD800M5WFP2-C	—	FSs	
BD00EA5W			±1 (T_j=25°C)		0.45 (I_O=500mA)		T_j=−40 to +105			BD00EA5WFP	—	—	BD00EA5WHFP	—	—
			±1.5 (T_j=25°C)							—	—	BD00EA5WFP2	—	—	—

45V耐压 低静态电流 200mA LDO稳压器 带关断开关

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	I/O Voltage Difference (V)	Circuit Current (μA)	Operating Temperature (°C)	Shutdown Switch	Protection Circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
New BD433U2WEFJ-C	3.9 to 42.0	3.3	±2 (T_j=−40 to +150°C)	0.2	0.2 (I_O=100mA)	40	T_j=−40 to +150	✓	Over-Current/ Temperature	HTSOP-J8	FSs	YES
BD433M2WFP3-C										SOT223-4	FSs	YES
New BD450U2WEFJ-C	5.5 to 42.0	5.0			0.16 (I_O=100mA)					HTSOP-J8	FSs	YES
BD450M2WFP3-C										SOT223-4	FSs	YES

45V耐压 低静态电流 150mA 可变输出/固定输出 LDO稳压器 带关断开关

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	I/O Voltage Difference (V)	Circuit Current (μA)	Operating Temperature (°C)	Shutdown Switch	Protection Circuit	Package/Part No. HTSOP-J8	Package/Part No. SSOP5	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
New BD900N1W	3 to 42	Variable	±2.0	0.15	0.5 (I_O=100mA)	28	T_j=−40 to +150	✓	Over-Current/ Temperature	BD900N1WEFJ-C	BD900N1WG-C	FSs	YES
New BD933N1W		3.3								BD933N1WEFJ-C	BD933N1WG-C	FSs	YES
New BD950N1W		5.0								BD950N1WEFJ-C	BD950N1WG-C	FSs	YES

36V耐压 300mA LDO稳压器

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	I/O Voltage Difference (V)	Circuit Current (mA)	Operating Temperature (°C)	Protection Circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD3650FP-M	5.6 to 30.0	5.0	±2 (T_a=−40 to +125°C)	0.3	0.2 (I_O=200mA)	0.5	−40 to +125	Over-Current/ Temperature	TO252-3	FSs	YES

35V耐压 2A LDO稳压器

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Protection Circuit	Package
BA15DD0T	3 to 25	1.5	±1	2.0	0.9	0.45 (I_O=2A)	55	50 (I_O=0 to 2A)	Over-Voltage/ OverCurrent/ Temperature	TO220FP-3
BA18DD0T		1.8								TO220FP-3
BA25DD0T		2.5								TO220FP-3
BA30DD0T		3.0								TO220FP-3
BA33DD0T		3.3								TO220FP-3
BA50DD0T		5.0								TO220FP-3
BA90DD0T		9.0								TO220FP-3
BAJ2DD0T		12.0								TO220FP-3
BAJ6DD0T		16.0								TO220FP-3

35V耐压 2A 可变输出/固定输出 LDO稳压器 带关断开关

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Protection Circuit	Package/Part No. TO220FP-5	Package/Part No. HRP5
BA00DD0W	3 to 25	Variable 1.5 to 16.0	±1	2.0	0.9	0.45 (I_O=2A)	55	50 (I_O=0 to 2A)	Over-Voltage/ Over-Current/ Temperature	BA00DD0WCP-V5 (TO220CP-V5)	BA00DD0WHFP
BA15DD0W		1.5								BA15DD0WT	BA15DD0WHFP
BA18DD0W		1.8								BA18DD0WT	BA18DD0WHFP
BA25DD0W		2.5								—	BA25DD0WHFP
BA30DD0W		3.0								BA30DD0WT	BA30DD0WHFP
BA33DD0W		3.3								BA33DD0WT	BA33DD0WHFP
BA50DD0W		5.0								BA50DD0WT	BA50DD0WHFP
BA90DD0W		9.0								BA90DD0WT	BA90DD0WHFP
BAJ2DD0W		12.0								BAJ2DD0WT	BAJ2DD0WHFP
BAJ6DD0W		16.0								BAJ6DD0WT	BAJ6DD0WHFP

*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

低饱和稳压器(LDO)

关于输入电压，请考虑输出电压值以及输入输出电压差后使用。

35V耐压 2A 可变输出/固定输出 LDO稳压器 带关断开关(低输出容量适用)

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Protection Circuit	Package/Part No. HRP5	Package/Part No. TO263-5
BD00FD0W	4 to 32	Variable 1.5 to 16.0	±1	2.0	0.5	0.4 (I_O=1A)	55	V_O*2×0.7% (I_O=5mA to 1A)	Over-Current/ Temperature	BD00FD0WHFP	BD00FD0WFP2
BD15FD0W		1.5	±1.5			—		V_O*2×2.0% (I_O=5mA to 1A)		BD15FD0WHFP	BD15FD0WFP2
BD18FD0W		1.8								BD18FD0WHFP	BD18FD0WFP2
BD25FD0W		2.5								BD25FD0WHFP	BD25FD0WFP2
BD30FD0W		3.0	±1					V_O*2×0.7% (I_O=5mA to 1A)		BD30FD0WHFP	BD30FD0WFP2
BD33FD0W		3.3								BD33FD0WHFP	BD33FD0WFP2
BD50FD0W	V_O+1 to 32	5.0				0.4 (I_O=1A)	50			BD50FD0WHFP	BD50FD0WFP2
BD80FD0W		8.0								BD80FD0WHFP	BD80FD0WFP2
BD90FD0W		9.0								BD90FD0WHFP	BD90FD0WFP2
BDJ2FD0W		12.0								BDJ2FD0WHFP	BDJ2FD0WFP2
BDJ5FD0W		15.0								BDJ5FD0WHFP	BDJ5FD0WFP2
BDJ6FD0W		16.0								BDJ6FD0WHFP	BDJ6FD0WFP2

35V耐压 2A 可变输出 LDO稳压器 带关断开关(大范围电压设定适用)

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Protection Circuit	Package
New BD00FDAWHFP	4 to 32	Variable 1.5 to 30.0	±1 (T_a=25°C)	2.0	0.5	0.4 (I_O=1A)	55	V_O*2×0.7% (I_O=5mA to 1A)	Over-Current/ Temperature	HRP5

35V耐压 1A LDO稳压器

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Protection Circuit	Package/Part No. TO220FP-3	Package/Part No. TO252-3
BA03CC0	4 to 25	3.0	±2	1.0	2.5	0.30 (I_O=0.5A)	55	50 (I_O=5mA to 1A)	Over-Voltage/ Over-Current/ Temperature	BA03CC0T	BA03CC0FP
BA033CC0		3.3								BA033CC0T	BA033CC0FP
BA05CC0		5.0								BA05CC0T	BA05CC0FP
BA06CC0		6.0								—	BA06CC0FP
BA07CC0		7.0								BA07CC0T	BA07CC0FP
BA08CC0		8.0								BA08CC0T	BA08CC0FP
BA09CC0		9.0								BA09CC0T	BA09CC0FP
BAJ0CC0		10.0								BAJ0CC0T	BAJ0CC0FP
BAJ2CC0		12.0								BAJ2CC0T	BAJ2CC0FP
BAJ5CC0		15.0								BAJ5CC0T	BAJ5CC0FP

35V耐压 1A LDO稳压器(低输出容量适用)

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (V)	Protection Circuit	Package
BD33FC0FP	4.3 to 26.5	3.3	±1	1.0	0.6	—	55	V_O*2×0.01 (I_O=5mA to 1A)	Over-Current/ Temperature	TO252-3
BD50FC0FP	6.0 to 26.5	5.0				0.30 (I_O=0.5A)				TO252-3

车载用35V耐压 1A LDO稳压器(低输出容量适用)

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (V)	Protection Circuit	Package/Part No. TO252-3	Package/Part No. HRP5	Package/Part No. TO263-3	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD33C0A	4.3 to 26.5	3.3	±3 (T_a=−40 to +125°C)	1.0	0.5	—	55	V_O*2×0.01 (I_O=5mA to 1A)	Over-Current/ Temperature	BD33C0AFP-C	BD33C0AHFP-C	BD33C0AFP2-C	FSs	YES
BD50C0A	6.0 to 26.5	5.0				0.3 (I_O=500mA)				BD50C0AFP-C	BD50C0AHFP-C	BD50C0AFP2-C	FSs	YES
BD80C0A	9.0 to 26.5	8.0					50			BD80C0AFP-C	BD80C0AHFP-C	BD80C0AFP2-C	FSs	YES
BD90C0A	10.0 to 26.5	9.0								BD90C0AFP-C	BD90C0AHFP-C	BD90C0AFP2-C	FSs	YES

35V耐压 1A 可变输出/固定输出 LDO稳压器 带关断开关(低输出容量适用)

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (V)	Protection Circuit	Package/Part No. TO252-5	Package/Part No. HTSOP-J8
BD00FC0W	4.0 to 26.5	Variable 1.0 to 15.0	±1	1.0	0.5	0.3 (I_O=500mA)	55	V_O*2×0.01 (I_O=5mA to 1A)	Over-Current/ Temperature	BD00FC0WFP	BD00FC0WEFJ
BD30FC0W		3.0				—				BD30FC0WFP	BD30FC0WEFJ
BD33FC0W	4.3 to 26.5	3.3								BD33FC0WFP	BD33FC0WEFJ
BD50FC0W	6.0 to 26.5	5.0				0.3 (I_O=500mA)	50			BD50FC0WFP	BD50FC0WEFJ
BD60FC0W	7.0 to 26.5	6.0								BD60FC0WFP	BD60FC0WEFJ
BD70FC0W	8.0 to 26.5	7.0								BD70FC0WFP	BD70FC0WEFJ
BD80FC0W	9.0 to 26.5	8.0								BD80FC0WFP	BD80FC0WEFJ
BD90FC0W	10.0 to 26.5	9.0								BD90FC0WFP	BD90FC0WEFJ
BDJ0FC0W	11.0 to 26.5	10.0								BDJ0FC0WFP	BDJ0FC0WEFJ
BDJ2FC0W	13.0 to 26.5	12.0								BDJ2FC0WFP	BDJ2FC0WEFJ
BDJ5FC0W	16.0 to 26.5	15.0								BDJ5FC0WFP	BDJ5FC0WEFJ

35V耐压 1A 可变输出/固定输出 LDO稳压器 带关断开关

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Protection Circuit	Package/Part No. TO220FP-5	Package/Part No. TO252-5
BA00CC0W	4 to 25	Variable 3.0 to 15.0	±2	1.0	2.5	0.3 (I_O=0.5A)	55	50 (I_O=5mA to 1A)	Over-Voltage/ Over-Current/ Temperature	BA00CC0WT/ BA00CC0WCP-V5 (TO220CP-V5)	BA00CC0WFP
BA03CC0W		3.0								BA03CC0WT	—
BA033CC0W		3.3								BA033CC0WT	BA033CC0WFP
BA05CC0W		5.0								BA05CC0WT	BA05CC0WFP
BA06CC0W		6.0								—	BA06CC0WFP
BA07CC0W		7.0								BA07CC0WT	BA07CC0WFP
BA08CC0W		8.0								BA08CC0WT	BA08CC0WFP
BA09CC0W		9.0								BA09CC0WT	BA09CC0WFP
BAJ0CC0W		10.0								BAJ0CC0WT	—
BAJ2CC0W		12.0								BAJ2CC0WT	BAJ2CC0WFP

*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。
*2 V_O是输出电压，单位：V

关于输入电压，请考虑输出电压值以及输入输出电压差后使用。

35V耐压 1A 可变输出/固定输出 LDO稳压器 带关断开关(大范围温度且低输出容量适用)

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (V)	Protection Circuit	Package/Part No. TO252-5	Package/Part No. TO220CP-V5
BD00C0AW	4.0 to 26.5	Variable 3.0 to 15.0	±1	1.0	0.5	0.3 (I_O=500mA)	55	V_O*2×0.01 (I_O=5mA to 1A)	Over-Current/ Temperature	BD00C0AWFP	BD00C0AWCP-V5
BD33C0AW	4.3 to 26.5	3.3				—				BD33C0AWFP	—
BD50C0AW	6.0 to 26.5	5.0				0.3 (I_O=500mA)				BD50C0AWFP	—

车载用35V耐压 1A 可变输出/固定输出 LDO稳压器 带关断开关(低输出容量适用)

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (V)	Protection Circuit	Package/Part No. TO252-5	Package/Part No. HRP5	Package/Part No. TO263-5	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD00C0AW	4.0 to 26.5	Variable 1.0 to 15.0	±3 (T_a=−40 to +125℃)	1.0	0.5	0.3 (I_O=500mA)	55	V_O*2×0.01 (I_O=5mA to 1A)	Over-Current/ Temperature	BD00C0AWFP-C	BD00C0AWHFP-C	BD00C0AWFP2-C	FSs	YES
BD33C0AW	4.3 to 26.5	3.3				—				BD33C0AWFP-C	BD33C0AWHFP-C	BD33C0AWFP2-C	FSs	YES
BD50C0AW	6.0 to 26.5	5.0				0.3 (I_O=500mA)				BD50C0AWFP-C	BD50C0AWHFP-C	BD50C0AWFP2-C	FSs	YES
BD80C0AW	9.0 to 26.5	8.0					50			BD80C0AWFP-C	BD80C0AWHFP-C	BD80C0AWFP2-C	FSs	YES
BD90C0AW	10.0 to 26.5	9.0								BD90C0AWFP-C	BD90C0AWHFP-C	BD90C0AWFP2-C	FSs	YES

35V耐压 300mA 输出可变LDO稳压器 带关断开关

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation	Protection Circuit	Package
BA3662CP-V5	4 to 25	Variable 3.0 to 15.0	±2	0.3	2.5	0.3 (I_O=0.2A)	55	40mV (I_O=5to 200mA)	Over-Voltage/ Over-Current/ Temperature	TO220CP-V5

小型 30V耐压 100mA LDO稳压器

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Load Regulation (%)	Protection Circuit	Input Capacitor (μF)	Output Capacitor (μF)	Package
BD33FA1FP3	V_O+3 to 25	3.3	±1	0.1	0.3	1 (I_O=100mA)	±1.5	Over-Current/ Temperature	1.0	1.0	SOT89-3K
BD50FA1FP3		5.0									SOT89-3K
BD54FA1FP3		5.4									SOT89-3K
BDJ2FA1FP3		12.0			0.4						SOT89-3K

车载用 30V耐压 100mA LDO稳压器 带关断开关

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Load Regulation (%)	Protection Circuit	Input Capacitor (μF)	Output Capacitor (μF)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD50FA1MG-M	V_O+3 to 25	5	±1	0.1	0.5	2 (I_O=100mA)	±1.5	Over-Current/ Temperature	1.0	1.0	SSOP5	FSs	YES

30V耐压 100mA 输出可变LDO稳压器 带关断开关

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Load Regulation (%)	Protection Circuit	Input Capacitor (μF)	Output Capacitor (μF)	Package
BD00FA1WEFJ	V_O+3 to 25	Variable 3.0 to 12.0	±1	0.1	0.3	2 (I_O=100mA)	±1.5	Over-Current/ Temperature	2.2	2.2	HTSOP-J8

18V耐压 1.5A LDO稳压器

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Protection Circuit	Package
BA15JC5T	3 to 16	1.5	±1	1.5	0.5	0.3 (I_O=500mA)	55	5 (I_O=5mA to 1.5A)	0.33	22.0	Over-Current/ Temperature	TO220FP-3
BA18JC5T		1.8										TO220FP-3
BA25JC5T		2.5										TO220FP-3
BA30JC5T		3.0										TO220FP-3
BA33JC5T		3.3										TO220FP-3
BA50JC5T		5.0										TO220FP-3
BA60JC5T		6.0										TO220FP-3
BA80JC5T		8.0										TO220FP-3
BA90JC5T		9.0										TO220FP-3

18V耐压 1.5A 可变输出 LDO稳压器 带关断开关

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package
BA00JC5WT	3 to 16	Variable 1.5 to 12.0	±1	1.5	0.5	0.3 (I_O=500mA)	55	5 (I_O=5mA to 1.5A)	0.33	22.0	✓	Over-Current/ Temperature	TO220FP-5

18V耐压 1A LDO稳压器

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Protection Circuit	Package/Part No. TO252-3	Package/Part No. TO220FP-3
BA15BC0	3 to 16	1.5	±2	1.0	0.5	0.3 (I_O=200mA)	55	35 (I_O=0 to 1A)	0.33	22.0	Over-Current/ Temperature	BA15BC0FP	BA15BC0T
BA18BC0		1.8										BA18BC0FP	BA18BC0T
BA25BC0		2.5										BA25BC0FP	BA25BC0T
BA30BC0		3.0										BA30BC0FP	BA30BC0T
BA33BC0		3.3										BA33BC0FP	BA33BC0T
BA50BC0		5.0										BA50BC0FP	BA50BC0T
BA60BC0		6.0										BA60BC0FP	BA60BC0T
BA70BC0		7.0			0.6							BA70BC0FP	BA70BC0T
BA80BC0		8.0										BA80BC0FP	BA80BC0T
BA90BC0		9.0										BA90BC0FP	BA90BC0T
BAJ0BC0		10.0										BAJ0BC0FP	BAJ0BC0T

*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。
*2 V_O是输出电压，单位：V

低饱和稳压器(LDO)

关于输入电压，请考虑输出电压值以及输入输出电压差后使用。

18V耐压 1A 可变输出/固定输出 LDO稳压器 带关断开关

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package/Part No. TO252-5	Package/Part No. TO220FP-5
BA00BC0W	3 to 16	Variable 1.5 to 12.0	±2	1.0	0.5 (V_O≤6.0)	0.3 (I_O=200mA)	55	35 (I_O=0 to 1A)	0.33	22.0	✓	Over-Current/ Temperature	BA00BC0WFP/ BA00BC0WCP-V5 (TO220CP-V5)	BA00BC0WT
BA15BC0W		1.5			0.5								BA15BC0WFP	BA15BC0WT
BA18BC0W		1.8											BA18BC0WFP	BA18BC0WT
BA25BC0W		2.5											BA25BC0WFP	BA25BC0WT
BA30BC0W		3.0											BA30BC0WFP	BA30BC0WT
BA33BC0W		3.3											BA33BC0WFP	BA33BC0WT
BA50BC0W		5.0											BA50BC0WFP	BA50BC0WT
BA60BC0W		6.0											BA60BC0WFP	BA60BC0WT
BA70BC0W		7.0			0.6								BA70BC0WFP	BA70BC0WT
BA80BC0W		8.0											BA80BC0WFP	BA80BC0WT
BA90BC0W		9.0											BA90BC0WFP	BA90BC0WT
BAJ0BC0W		10.0											BAJ0BC0WFP	BAJ0BC0WT

15V耐压 1A 可变输出/固定输出 LDO稳压器 带关断开关

Part No. Consumer/Automotive Grade	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD00GC0WEFJ/BD00GC0MEFJ-M	4.5 to 14.0	Variable 1.5 to 13.0	±1 (T_a=+25°C), ±3 (T_a=−40 to +105°C) <Automotive Grade>	1.0	0.6	0.6 (I_O=1A)	60 (f=100Hz, 50mV_{PP}, I_O=0A)	25 (I_O=0 to 1A)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8	—/FSs	—/YES
BD15GC0WEFJ/BD15GC0MEFJ-M		1.5											HTSOP-J8	—/FSs	—/YES
BD18GC0WEFJ/BD18GC0MEFJ-M		1.8											HTSOP-J8	—/FSs	—/YES
BD25GC0WEFJ/BD25GC0MEFJ-M		2.5											HTSOP-J8	—/FSs	—/YES
BD30GC0WEFJ/BD30GC0MEFJ-M		3.0											HTSOP-J8	—/FSs	—/YES
BD33GC0WEFJ/BD33GC0MEFJ-M		3.3											HTSOP-J8	—/FSs	—/YES
BD50GC0WEFJ/BD50GC0MEFJ-M		5.0											HTSOP-J8	—/FSs	—/YES
BD60GC0WEFJ/BD60GC0MEFJ-M		6.0											HTSOP-J8	—/FSs	—/YES
BD70GC0WEFJ/BD70GC0MEFJ-M		7.0											HTSOP-J8	—/FSs	—/YES
BD80GC0WEFJ/BD80GC0MEFJ-M		8.0											HTSOP-J8	—/FSs	—/YES
BD90GC0WEFJ/BD90GC0MEFJ-M		9.0											HTSOP-J8	—/FSs	—/YES
BDJ0GC0WEFJ/BDJ0GC0MEFJ-M		10.0											HTSOP-J8	—/FSs	—/YES
BDJ2GC0WEFJ/BDJ2GC0MEFJ-M		12.0											HTSOP-J8	—/FSs	—/YES

15V耐压 1A 可变输出/固定输出 LDO稳压器(工业设备用)

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package
BD00GC0MEFJ-LB	4.5 to 14.0	Variable 1.5 to 13.0	±1 (T_a=+25°C), ±3 (T_a=−40 to +105°C)	1.0	0.6	0.6 (I_O=1A)	60 (f=100Hz, 50mV_{PP}, I_O=0A)	25 (I_O=0 to 1A)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8
BD15GC0MEFJ-LB		1.5											HTSOP-J8
BD18GC0MEFJ-LB		1.8											HTSOP-J8
BD25GC0MEFJ-LB		2.5											HTSOP-J8
BD30GC0MEFJ-LB		3.0											HTSOP-J8
BD33GC0MEFJ-LB		3.3											HTSOP-J8
BD50GC0MEFJ-LB		5.0											HTSOP-J8
BD60GC0MEFJ-LB		6.0											HTSOP-J8
BD70GC0MEFJ-LB		7.0											HTSOP-J8
BD80GC0MEFJ-LB		8.0											HTSOP-J8
BD90GC0MEFJ-LB		9.0											HTSOP-J8
BDJ0GC0MEFJ-LB		10.0											HTSOP-J8
BDJ2GC0MEFJ-LB		12.0											HTSOP-J8

15V耐压 500mA 可变输出/固定输出 LDO稳压器 带关断开关

Part No. Consumer/Automotive Grade	Input Voltage (V)	Output Voltage (V)	Output voltage precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD00GA5WEFJ/BD00GA5MEFJ-M	4.5 to 14.0	Variable 1.5 to 13.0	±1 (T_a=25°C), ±3 (T_a=−40 to +105°C) <Automotive Grade>	0.5	0.6	0.6 (I_O=500mA)	60 (f=100Hz, 50mV_{PP}, I_O=0A)	25 (I_O=0 to 500mA)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8	—/FSs	—/YES
BD15GA5WEFJ/BD15GA5MEFJ-M		1.5											HTSOP-J8	—/FSs	—/YES
BD18GA5WEFJ/BD18GA5MEFJ-M		1.8											HTSOP-J8	—/FSs	—/YES
BD25GA5WEFJ/BD25GA5MEFJ-M		2.5											HTSOP-J8	—/FSs	—/YES
BD30GA5WEFJ/BD30GA5MEFJ-M		3.0											HTSOP-J8	—/FSs	—/YES
BD33GA5WEFJ/BD33GA5MEFJ-M		3.3											HTSOP-J8	—/FSs	—/YES
BD50GA5WEFJ/BD50GA5MEFJ-M		5.0											HTSOP-J8	—/FSs	—/YES
BD60GA5WEFJ/BD60GA5MEFJ-M		6.0											HTSOP-J8	—/FSs	—/YES
BD70GA5WEFJ/BD70GA5MEFJ-M		7.0											HTSOP-J8	—/FSs	—/YES
BD80GA5WEFJ/BD80GA5MEFJ-M		8.0											HTSOP-J8	—/FSs	—/YES
BD90GA5WEFJ/BD90GA5MEFJ-M		9.0											HTSOP-J8	—/FSs	—/YES
BDJ0GA5WEFJ/BDJ0GA5MEFJ-M		10.0											HTSOP-J8	—/FSs	—/YES
BDJ2GA5WEFJ/BDJ2GA5MEFJ-M		12.0											HTSOP-J8	—/FSs	—/YES

*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

关于输入电压，请考虑输出电压值以及输入输出电压差后使用。

15V耐压 500mA 可变输出/固定输出 LDO稳压器(工业设备用)

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package
BD00GA5MEFJ-LB	4.5 to 14.0	Variable 1.5 to 13.0	±1 (T_a=+25°C), ±3 (T_a=−40 to +105°C)	0.5	0.6	0.6 (I_O=500mA)	60 (f=100Hz, 50mV$_{PP}$, I_O=0A)	25 (I_O=0 to 500mA)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8
BD15GA5MEFJ-LB		1.5											HTSOP-J8
BD18GA5MEFJ-LB		1.8											HTSOP-J8
BD25GA5MEFJ-LB		2.5											HTSOP-J8
BD30GA5MEFJ-LB		3.0											HTSOP-J8
BD33GA5MEFJ-LB		3.3											HTSOP-J8
BD50GA5MEFJ-LB		5.0											HTSOP-J8
BD60GA5MEFJ-LB		6.0											HTSOP-J8
BD70GA5MEFJ-LB		7.0											HTSOP-J8
BD80GA5MEFJ-LB		8.0											HTSOP-J8
BD90GA5MEFJ-LB		9.0											HTSOP-J8
BDJ0GA5MEFJ-LB		10.0											HTSOP-J8
BDJ2GA5MEFJ-LB		12.0											HTSOP-J8

15V耐压 300mA 可变输出/固定输出 LDO稳压器 带关断开关

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package/Part No. HTSOP-J8	Package/Part No. VSON008X2030
BD00GA3W	4.5 to 14.0	Variable 1.5 to 13.0	±1	0.3	0.6	0.6 (I_O=300mA)	60 (f=100Hz, 50mV$_{PP}$, I_O=0A)	25 (I_O=0 to 300mA)	1.0	1.0	✓	Over-Current/ Temperature	BD00GA3WEFJ	BD00GA3WNUX
BD15GA3W		1.5											BD15GA3WEFJ	☆BD15GA3WNUX
BD18GA3W		1.8											BD18GA3WEFJ	☆BD18GA3WNUX
BD25GA3W		2.5											BD25GA3WEFJ	☆BD25GA3WNUX
BD30GA3W		3.0											BD30GA3WEFJ	BD30GA3WNUX
BD33GA3W		3.3											BD33GA3WEFJ	☆BD33GA3WNUX
BD50GA3W		5.0											BD50GA3WEFJ	BD50GA3WNUX
BD60GA3W		6.0											BD60GA3WEFJ	BD60GA3WNUX
BD70GA3W		7.0											BD70GA3WEFJ	☆BD70GA3WNUX
BD80GA3W		8.0											BD80GA3WEFJ	☆BD80GA3WNUX
BD90GA3W		9.0											BD90GA3WEFJ	☆BD90GA3WNUX
BDJ0GA3W		10.0											BDJ0GA3WEFJ	☆BDJ0GA3WNUX
BDJ2GA3W		12.0											BDJ2GA3WEFJ	☆BDJ2GA3WNUX

车载用 15V耐压 300mA 可变输出/固定输出 LDO稳压器 带关断开关

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD00GA3MEFJ-M	4.5 to 14.0	Variable 1.5 to 13.0	±1 (T_a=+25°C), ±3 (T_a=−40 to +105°C)	0.3	0.6	0.6 (I_O=300mA)	60 (f=100Hz, 50mV$_{PP}$, I_O=0A)	25 (I_O=0 to 300mA)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8	FSs	YES
BD15GA3MEFJ-M		1.5											HTSOP-J8	FSs	YES
BD18GA3MEFJ-M		1.8											HTSOP-J8	FSs	YES
BD25GA3MEFJ-M		2.5											HTSOP-J8	FSs	YES
BD30GA3MEFJ-M		3.0											HTSOP-J8	FSs	YES
BD33GA3MEFJ-M		3.3											HTSOP-J8	FSs	YES
BD50GA3MEFJ-M		5.0											HTSOP-J8	FSs	YES
BD60GA3MEFJ-M		6.0											HTSOP-J8	FSs	YES
BD70GA3MEFJ-M		7.0											HTSOP-J8	FSs	YES
BD80GA3MEFJ-M		8.0											HTSOP-J8	FSs	YES
BD90GA3MEFJ-M		9.0											HTSOP-J8	FSs	YES
BDJ0GA3MEFJ-M		10.0											HTSOP-J8	FSs	YES
BDJ2GA3MEFJ-M		12.0											HTSOP-J8	FSs	YES

15V耐压 300mA 可变输出/固定输出 LDO稳压器(工业设备用)

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package
BD00GA3MEFJ-LB	4.5 to 14.0	Variable 1.5 to 13.0	±1 (T_a=+25°C), ±3 (T_a=−40 to +105°C)	0.3	0.6	0.6 (I_O=300mA)	60 (f=100Hz, 50mV$_{PP}$, I_O=0A)	25 (I_O=0 to 300mA)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8
BD15GA3MEFJ-LB		1.5											HTSOP-J8
BD18GA3MEFJ-LB		1.8											HTSOP-J8
BD25GA3MEFJ-LB		2.5											HTSOP-J8
BD30GA3MEFJ-LB		3.0											HTSOP-J8
BD33GA3MEFJ-LB		3.3											HTSOP-J8
BD50GA3MEFJ-LB		5.0											HTSOP-J8
BD60GA3MEFJ-LB		6.0											HTSOP-J8
BD70GA3MEFJ-LB		7.0											HTSOP-J8
BD80GA3MEFJ-LB		8.0											HTSOP-J8
BD90GA3MEFJ-LB		9.0											HTSOP-J8
BDJ0GA3MEFJ-LB		10.0											HTSOP-J8
BDJ2GA3MEFJ-LB		12.0											HTSOP-J8

*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

☆: 开发中

低饱和稳压器(LDO)

关于输入电压，请考虑输出电压值以及输入输出电压差后使用。

10V耐压 1.5A 可变输出/固定输出 LDO稳压器 带关断开关

Part No. / Consumer/Automotive Grade	Input Voltage (V)	Output Voltage (V)	Output Voltage precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD00HC5WEFJ/BD00HC5MEFJ-M	4.5 to 8.0	Variable 1.5 to 7.0	±1 (T_a=25°C), ±3 (T_a=−40 to +105°C) <Automotive Grade>	1.5	0.6	0.6 (I_O=1.5A)	60 (f=100Hz, 50mV$_{PP}$, I_O=0A)	25 (I_O=0 to 1.5A)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8	—/FSs	—/YES
BD15HC5WEFJ/BD15HC5MEFJ-M		1.5											HTSOP-J8	—/FSs	—/YES
BD18HC5WEFJ/BD18HC5MEFJ-M		1.8											HTSOP-J8	—/FSs	—/YES
BD25HC5WEFJ/BD25HC5MEFJ-M		2.5											HTSOP-J8	—/FSs	—/YES
BD30HC5WEFJ/BD30HC5MEFJ-M		3.0											HTSOP-J8	—/FSs	—/YES
BD33HC5WEFJ/BD33HC5MEFJ-M		3.3											HTSOP-J8	—/FSs	—/YES
BD50HC5WEFJ/BD50HC5MEFJ-M		5.0											HTSOP-J8	—/FSs	—/YES
BD60HC5WEFJ/BD60HC5MEFJ-M		6.0											HTSOP-J8	—/FSs	—/YES
BD70HC5WEFJ/BD70HC5MEFJ-M		7.0											HTSOP-J8	—/FSs	—/YES

10V耐压 1.5A 可变输出/固定输出 LDO稳压器(工业设备用)

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package
BD00HC5MEFJ-LB	4.5 to 8.0	Variable 1.5 to 7.0	±1 (T_a=+25°C), ±3 (T_a=−40 to +105°C)	1.5	0.6	0.6 (I_O=1.5A)	60 (f=100Hz, 50mV$_{PP}$, I_O=0A)	25 (I_O=0 to 1.5A)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8
BD15HC5MEFJ-LB		1.5											HTSOP-J8
BD18HC5MEFJ-LB		1.8											HTSOP-J8
BD25HC5MEFJ-LB		2.5											HTSOP-J8
BD30HC5MEFJ-LB		3.0											HTSOP-J8
BD33HC5MEFJ-LB		3.3											HTSOP-J8
BD50HC5MEFJ-LB		5.0											HTSOP-J8
BD60HC5MEFJ-LB		6.0											HTSOP-J8
BD70HC5MEFJ-LB		7.0											HTSOP-J8

10V耐压 1A 可变输出/固定输出 LDO稳压器 带关断开关

Part No. / Consumer/Automotive Grade	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD00HC0WEFJ/BD00HC0MEFJ-M	4.5 to 8.0	Variable 0.8 to 7.0 (Automotive Grade Variable 1.5 to 7.0)	±1 (T_a=+25°C), ±3 (T_a=−40 to +105°C) <Automotive Grade>	1.0	0.6	0.6 (I_O=1A)	60 (f=100Hz, 50mV$_{PP}$, I_O=0A)	25 (I_O=0 to 1A)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8	—/FSs	—/YES
BD15HC0WEFJ/BD15HC0MEFJ-M		1.5											HTSOP-J8	—/FSs	—/YES
BD18HC0WEFJ/BD18HC0MEFJ-M		1.8											HTSOP-J8	—/FSs	—/YES
BD25HC0WEFJ/BD25HC0MEFJ-M		2.5											HTSOP-J8	—/FSs	—/YES
BD30HC0WEFJ/BD30HC0MEFJ-M		3.0											HTSOP-J8	—/FSs	—/YES
BD33HC0WEFJ/BD33HC0MEFJ-M		3.3											HTSOP-J8	—/FSs	—/YES
BD50HC0WEFJ/BD50HC0MEFJ-M		5.0											HTSOP-J8	—/FSs	—/YES
BD60HC0WEFJ/BD60HC0MEFJ-M		6.0											HTSOP-J8	—/FSs	—/YES
BD70HC0WEFJ/BD70HC0MEFJ-M		7.0											HTSOP-J8	—/FSs	—/YES

10V耐压 1A 可变输出/固定输出 LDO稳压器(工业设备用)

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package
BD00HC0MEFJ-LB	4.5 to 8.0	Variable 0.8 to 7.0 (Variable 1.5 to 7.0)	±1 (T_a=+25°C), ±3 (T_a=−40 to +105°C)	1.0	0.6	0.6 (I_O=1A)	60 (f=100Hz, 50mV$_{PP}$, I_O=0A)	25 (I_O=0 to 1A)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8
BD15HC0MEFJ-LB		1.5											HTSOP-J8
BD18HC0MEFJ-LB		1.8											HTSOP-J8
BD25HC0MEFJ-LB		2.5											HTSOP-J8
BD30HC0MEFJ-LB		3.0											HTSOP-J8
BD33HC0MEFJ-LB		3.3											HTSOP-J8
BD50HC0MEFJ-LB		5.0											HTSOP-J8
BD60HC0MEFJ-LB		6.0											HTSOP-J8
BD70HC0MEFJ-LB		7.0											HTSOP-J8

10V耐压 500mA 可变输出/固定输出 LDO稳压器 带关断开关

Part No. / Consumer/Automotive Grade	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD00HA5WEFJ/BD00HA5MEFJ-M	4.5 to 8.0	Variable 1.5 to 7.0	±1 (T_a=+25°C), ±3 (T_a=−40 to +105°C) <Automotive Grade>	0.5	0.6	0.6 (I_O=500mA)	60 (f=100Hz, 50mV$_{PP}$, I_O=0A)	25 (I_O=0 to 500mA)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8	—/FSs	—/YES
BD15HA5WEFJ/BD15HA5MEFJ-M		1.5											HTSOP-J8	—/FSs	—/YES
BD18HA5WEFJ/BD18HA5MEFJ-M		1.8											HTSOP-J8	—/FSs	—/YES
BD25HA5WEFJ/BD25HA5MEFJ-M		2.5											HTSOP-J8	—/FSs	—/YES
BD30HA5WEFJ/BD30HA5MEFJ-M		3.0											HTSOP-J8	—/FSs	—/YES
BD33HA5WEFJ/BD33HA5MEFJ-M		3.3											HTSOP-J8	—/FSs	—/YES
BD50HA5WEFJ/BD50HA5MEFJ-M		5.0											HTSOP-J8	—/FSs	—/YES
BD60HA5WEFJ/BD60HA5MEFJ-M		6.0											HTSOP-J8	—/FSs	—/YES
BD70HA5WEFJ/BD70HA5MEFJ-M		7.0											HTSOP-J8	—/FSs	—/YES

*1 “ComfySIL™ 功能安全类别” 的详情请参阅封二。

关于输入电压，请考虑输出电压值以及输入输出电压差后使用。

10V耐压 500mA 可变输出/固定输出 LDO稳压器(工业设备用)

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package
BD00HA5MEFJ-LB	4.5 to 8.0	Variable 1.5 to 7.0	±1 (T_a=+25˚C), ±3 (T_a=−40 to +105˚C)	0.5	0.6	0.6 (I_O=500mA)	60 (f=100Hz, 50mV$_{PP}$, I_O=0A)	25 (I_O=0 to 500mA)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8
BD15HA5MEFJ-LB		1.5											HTSOP-J8
BD18HA5MEFJ-LB		1.8											HTSOP-J8
BD25HA5MEFJ-LB		2.5											HTSOP-J8
BD30HA5MEFJ-LB		3.0											HTSOP-J8
BD33HA5MEFJ-LB		3.3											HTSOP-J8
BD50HA5MEFJ-LB		5.0											HTSOP-J8
BD60HA5MEFJ-LB		6.0											HTSOP-J8
BD70HA5MEFJ-LB		7.0											HTSOP-J8

10V耐压 300mA 可变输出/固定输出 LDO稳压器 带关断开关

Part No. / Consumer/Automotive Grade	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD00HA3WEFJ/BD00HA3MEFJ-M	4.5 to 8.0	Variable 1.5 to 7.0	±1 (T_a=+25˚C), ±3 (T_a=−40 to +105˚C) <Automotive Grade>	0.3	0.6	0.6 (I_O=300mA)	60 (f=100Hz, 50mV$_{PP}$, I_O=0A)	25 (I_O=0 to 300mA)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8	—/FSs	—/YES
BD15HA3WEFJ/BD15HA3MEFJ-M		1.5											HTSOP-J8	—/FSs	—/YES
BD18HA3WEFJ/BD18HA3MEFJ-M		1.8											HTSOP-J8	—/FSs	—/YES
BD25HA3WEFJ/BD25HA3MEFJ-M		2.5											HTSOP-J8	—/FSs	—/YES
BD30HA3WEFJ/BD30HA3MEFJ-M		3.0											HTSOP-J8	—/FSs	—/YES
BD33HA3WEFJ/BD33HA3MEFJ-M		3.3											HTSOP-J8	—/FSs	—/YES
BD50HA3WEFJ/BD50HA3MEFJ-M		5.0											HTSOP-J8	—/FSs	—/YES
BD60HA3WEFJ/BD60HA3MEFJ-M		6.0											HTSOP-J8	—/FSs	—/YES
BD70HA3WEFJ/BD70HA3MEFJ-M		7.0											HTSOP-J8	—/FSs	—/YES

10V耐压 300mA 可变输出/固定输出 LDO稳压器(工业设备用)

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection circuit	Package
BD00HA3MEFJ-LB	4.5 to 8.0	Variable 1.5 to 7.0	±1 (T_a=+25˚C), ±3 (T_a=−40 to +105˚C)	0.3	0.6	0.6 (I_O=300mA)	60 (f=100Hz, 50mV$_{PP}$, I_O=0A)	25 (I_O=0 to 300mA)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8
BD15HA3MEFJ-LB		1.5											HTSOP-J8
BD18HA3MEFJ-LB		1.8											HTSOP-J8
BD25HA3MEFJ-LB		2.5											HTSOP-J8
BD30HA3MEFJ-LB		3.0											HTSOP-J8
BD33HA3MEFJ-LB		3.3											HTSOP-J8
BD50HA3MEFJ-LB		5.0											HTSOP-J8
BD60HA3MEFJ-LB		6.0											HTSOP-J8
BD70HA3MEFJ-LB		7.0											HTSOP-J8

7V耐压 1A 可变输出/固定输出 LDO稳压器 带关断开关

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package/Part No. HTSOP-J8	Package/Part No. HVSOF6
BD00IC0W	2.4 to 5.5	Variable 0.8 to 4.5	±1	1.0	0.3	0.4 (I_O=1A)	60 (f=100Hz, 50mV$_{PP}$, I_O=0A)	25 (I_O=0 to 1A)	1.0	1.0	✓	Over-Current/ Temperature	BD00IC0WEFJ	BD00IC0WHFV
BD10IC0W		1.0											BD10IC0WEFJ	BD10IC0WHFV
BD12IC0W		1.2											BD12IC0WEFJ	BD12IC0WHFV
BD1CIC0W		1.25											—	BD1CIC0WHFV
BD15IC0W		1.5											BD15IC0WEFJ	BD15IC0WHFV
BD18IC0W		1.8											BD18IC0WEFJ	BD18IC0WHFV
BD25IC0W		2.5											BD25IC0WEFJ	BD25IC0WHFV
BD26IC0W		2.6											—	BD26IC0WHFV
BD30IC0W		3.0											BD30IC0WEFJ	BD30IC0WHFV
BD33IC0W		3.3											BD33IC0WEFJ	BD33IC0WHFV

车载用 7V耐压 1A 可变输出/固定输出 LDO稳压器 带关断开关

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD00IC0MEFJ-M	2.4 to 5.5	Variable 0.8 to 4.5	±1 (T_a=+25˚C), ±3 (T_a=−40 to +105˚C)	1.0	0.3	0.4 (I_O=1A)	60 (f=100Hz, 50mV$_{PP}$, I_O=0A)	25 (I_O=0 to 1A)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8	FSs	YES
BD10IC0MEFJ-M		1.0											HTSOP-J8	FSs	YES
BD12IC0MEFJ-M		1.2											HTSOP-J8	FSs	YES
BD15IC0MEFJ-M		1.5											HTSOP-J8	FSs	YES
BD18IC0MEFJ-M		1.8											HTSOP-J8	FSs	YES
BD25IC0MEFJ-M		2.5											HTSOP-J8	FSs	YES
BD30IC0MEFJ-M		3.0											HTSOP-J8	FSs	YES
BD33IC0MEFJ-M		3.3											HTSOP-J8	FSs	YES

*1 “ComfySIL™ 功能安全类别” 的详情请参阅封二。

低饱和稳压器(LDO)

关于输入电压，请考虑输出电压值以及输入输出电压差后使用。

7V耐压 1A 可变输出/固定输出 LDO稳压器

Part No. / Industrial Equipment/Automotive Grade	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD00IC0MEFJ-LB	2.3 to 5.5	Variable 0.8 to 4.5	±1 (T_a=+25°C), ±3 (T_a=−40 to +105°C)	1.0	0.3	0.4 (I_O=1A)	60 (f=100Hz, 50mV$_{PP}$, I_O=0A)	25 (I_O=0 to 1A)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8	—	—
BD10IC0MEFJ-LB	2.4 to 5.5	1.0											HTSOP-J8	—	—
BD12IC0MEFJ-LB		1.2											HTSOP-J8	—	—
BD15IC0MEFJ-LB		1.5											HTSOP-J8	—	—
BD18IC0MEFJ-LB		1.8											HTSOP-J8	—	—
BD25IC0MEFJ-LB		2.5											HTSOP-J8	—	—
BD30IC0MEFJ-LB		3.0											HTSOP-J8	—	—
BD33IC0MEFJ-LB/ BD33IC0MEFJ-C		3.3											HTSOP-J8	—/FSs	—/YES

7V耐压 500mA LDO稳压器

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Protection Circuit	Package
BD10KA5FP	2.3 to 5.5	1.0	±1	0.5	0.35	0.12 (I_O=200mA)	50	25 (I_O=0 to 500mA)	1.0	1.0	Over-Current/ Temperature	TO252-3
BD12KA5FP		1.2										TO252-3
BD15KA5FP		1.5										TO252-3
BD18KA5FP		1.8										TO252-3
BD25KA5FP		2.5										TO252-3
BD30KA5FP		3.0										TO252-3
BD33KA5FP		3.3										TO252-3

7V耐压 500mA 可变输出/固定输出 LDO稳压器 带关断开关

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package/Part No. TO252-5	Package/Part No. SOP8
BD00KA5W	2.3 to 5.5	Variable 1.0 to 4.0	±1	0.5	0.35	0.12 (I_O=200mA)	50	25 (0 to 500mA)	1.0	1.0	✓	Over-Current/ Temperature	BD00KA5WFP	BD00KA5WF
BD10KA5W		1.0											BD10KA5WFP	BD10KA5WF
BD12KA5W		1.2											BD12KA5WFP	BD12KA5WF
BD15KA5W		1.5											BD15KA5WFP	BD15KA5WF
BD18KA5W		1.8											BD18KA5WFP	BD18KA5WF
BD25KA5W		2.5											BD25KA5WFP	BD25KA5WF
BD30KA5W		3.0											BD30KA5WFP	BD30KA5WF
BD33KA5W		3.3											BD33KA5WFP	BD33KA5WF

7V耐压 500mA 可变输出/固定输出 LDO稳压器 带关断开关(BDxxIA系列)

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package
BD00IA5WEFJ	2.4 to 5.5	Variable 0.8 to 4.5	±1	0.5	0.25	0.4 (I_O=500mA)	60 (f=100Hz, 50mV$_{PP}$, I_O=0A)	25 (I_O=0 to 500mA)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8
BD10IA5WEFJ		1.0											HTSOP-J8
BD12IA5WEFJ		1.2											HTSOP-J8
BD15IA5WEFJ		1.5											HTSOP-J8
BD18IA5WEFJ		1.8											HTSOP-J8
BD25IA5WEFJ		2.5											HTSOP-J8
BD30IA5WEFJ		3.0											HTSOP-J8
BD33IA5WEFJ		3.3											HTSOP-J8

车载用 7V耐压 500mA 可变输出/固定输出 LDO稳压器 带关断开关(BDxxIA系列)

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD00IA5MEFJ-M/ BD00IA5MHFV-M	2.4 to 5.5	Variable 0.8 to 4.5	±1 (T_a=+25°C), ±3 (T_a=−40 to +105°C)	0.5	0.25	0.4 (I_O=500mA)	60 (f=100Hz, 50mV$_{PP}$, I_O=0A)	25 (I_O=0 to 500mA)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8/ HVSOF6	FSs	YES
BD10IA5MEFJ-M		1.0											HTSOP-J8	FSs	YES
BD12IA5MEFJ-M		1.2											HTSOP-J8	FSs	YES
BD15IA5MEFJ-M		1.5											HTSOP-J8	FSs	YES
BD18IA5MEFJ-M		1.8											HTSOP-J8	FSs	YES
BD25IA5MEFJ-M		2.5											HTSOP-J8	FSs	YES
BD30IA5MEFJ-M		3.0											HTSOP-J8	FSs	YES
BD33IA5MEFJ-M		3.3											HTSOP-J8	FSs	YES

*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

关于输入电压，请考虑输出电压值以及输入输出电压差后使用。

7V耐压 500mA 可变输出/固定输出 LDO稳压器(工业设备用)

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Input Capacitor (μF)	Output Capacitor (μF)	Shutdown Switch	Protection Circuit	Package
BD00IA5MEFJ-LB	2.4 to 5.5	Variable 0.8 to 4.5	±1 (T_a=+25˚C), ±3 (T_a=−40 to +105˚C)	0.5	0.25	0.4 (I_O=500mA)	60 (f=100Hz, 50mV$_{PP}$, I_O=0A)	25 (I_O=0 to 500mA)	1.0	1.0	✓	Over-Current/ Temperature	HTSOP-J8
BD10IA5MEFJ-LB		1.0											HTSOP-J8
BD12IA5MEFJ-LB		1.2											HTSOP-J8
BD15IA5MEFJ-LB		1.5											HTSOP-J8
BD18IA5MEFJ-LB		1.8											HTSOP-J8
BD25IA5MEFJ-LB		2.5											HTSOP-J8
BD30IA5MEFJ-LB		3.0											HTSOP-J8
BD33IA5MEFJ-LB		3.3											HTSOP-J8

6.5V耐压 500mA Full CMOS LDO稳压器

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (μA)	I/O Voltage Difference (mV)	Ripple Rejection (dB)	Load Regulation (mV)	Protection Circuit	Package
BU18SD5WG	1.7 to 6.0	1.8	±1	0.5	33.0	150 (I_O=100mA)	68	0.5	Over Current/ Temperature	SSOP5
BU33SD5WG		3.3				85 (I_O=100mA)				SSOP5

6.5V耐压 500mA Full CMOS LDO稳压器 带关断开关 WL-CSP型

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Bias Current (mA)	I/O Voltage Difference (V)	Ripple Rejection (dB)	Load Regulation (mV)	Protection Circuit	Package
BU30SA5WGWZ	1.8 to 5.0	3	±1	0.5	0.033	0.08 (I_O=100mA)	70dB (f=1kHz)	6 (I_{OUT}=0.01mA to 300mA)	Over Current/ Temperature	UCSP30L1
BU33SA5WGWZ		3.3								UCSP30L1

6.5V耐压 300mA CMOS LDO稳压器 带关断开关

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Vsat (mV)	Ripple Rejection (dB)	Load Regulation (mV)	Circuit Current (μA)	Output Short Current (mA)	Input Capacitor (μF)	Output Capacitor (μF)	Shut Down Switch	Over Current Protection	Temperature Protection	Discharge Function	Soft Start Function	Package
BH15M0AWHFV	2.5 to 5.5	1.5	±25mV	0.3	–	60	6 (I_O=1 to 100mA)	65	100	1.0	1.0	✓	✓	✓	–	–	HVSOF6
BH18M0AWHFV		1.8															HVSOF6
BH20M0AWHFV		2.0															HVSOF6
BH21M0AWHFV		2.1															HVSOF6
BH25M0AWHFV		2.5	±1		60 (I_O=100mA)												HVSOF6
BH26M0AWHFV		2.6															HVSOF6
BH27M0AWHFV		2.7															HVSOF6
BH28M0AWHFV		2.8															HVSOF6
BH29M0AWHFV		2.9															HVSOF6
BH30M0AWHFV		3.0															HVSOF6
BH31M0AWHFV		3.1															HVSOF6
BH32M0AWHFV		3.2															HVSOF6
BH33M0AWHFV		3.3															HVSOF6
BH34M0AWHFV		3.4															HVSOF6

低饱和稳压器(LDO)

关于输入电压，请考虑输出电压值以及输入输出电压差后使用。

6.5V耐压 200mA CMOS LDO稳压器(低输出容量适用) 带关断开关

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Vsat (mV)	Ripple Rejection (dB)	Load Regulation (mV)	Circuit Current (μA)	Output Short Current (mA)	Input Capacitor (μF)	Output Capacitor (μF)	Shut Down Switch	Over Current Protection	Temperature Protection	Discharge Function	Package/Part No. SSON004X1010	Package/Part No. SSOP5
BU10TD2/BU10TD3	1.7 to 5.5	1.0	±25mV	0.2	–	70	10 (I_O=1 to 100mA)	35	70	0.47	0.47	✓	✓	✓	✓	BU10TD2WNVX	BU10TD3WG
BU1ATD2/–		1.05														BU1ATD2WNVX	–
BU11TD2/BU11TD3		1.1														BU11TD2WNVX	BU11TD3WG
BU1BTD2/–		1.15														BU1BTD2WNVX	–
BU12TD2/BU12TD3		1.2														BU12TD2WNVX	BU12TD3WG
BU1CTD2/BU1CTD3		1.25														BU1CTD2WNVX	BU1CTD3WG
BU13TD2/BU13TD3		1.3														BU13TD2WNVX	BU13TD3WG
BU15TD2/BU15TD3		1.5														BU15TD2WNVX	BU15TD3WG
BU18TD2/BU18TD3		1.8														BU18TD2WNVX	BU18TD3WG
BU1JTD2/BU1JTD3		1.85														BU1JTD2WNVX	BU1JTD3WG
BU19TD2/BU19TD3		1.9														BU19TD2WNVX	BU19TD3WG
BU20TD2/BU20TD3		2.0														BU20TD2WNVX	BU20TD3WG
BU2ATD2/–		2.05														BU2ATD2WNVX	–
BU21TD2/BU21TD3		2.1														BU21TD2WNVX	BU21TD3WG
BU23TD2/–		2.3														BU23TD2WNVX	–
BU25TD2/BU25TD3		2.5	±1		280 (I_O=200mA)											BU25TD2WNVX	BU25TD3WG
BU26TD2/BU26TD3		2.6														BU26TD2WNVX	BU26TD3WG
BU27TD2/BU27TD3		2.7			260 (I_O=200mA)											BU27TD2WNVX	BU27TD3WG
BU2HTD2/–		2.75														BU2HTD2WNVX	–
BU28TD2/BU28TD3		2.8														BU28TD2WNVX	BU28TD3WG
BU2JTD2/BU2JTD3WG		2.85														BU2JTD2WNVX	BU2JTD3WG
BU29TD2/BU29TD3		2.9			240 (I_O=200mA)											BU29TD2WNVX	BU29TD3WG
BU30TD2/BU30TD3		3.0														BU30TD2WNVX	BU30TD3WG
BU31TD2/BU31TD3		3.1														BU31TD2WNVX	BU31TD3WG
BU32TD2/BU32TD3		3.2			220 (I_O=200mA)											BU32TD2WNVX	BU32TD3WG
BU33TD2/BU33TD3		3.3														BU33TD2WNVX	BU33TD3WG
BU34TD2/BU34TD3		3.4														BU34TD2WNVX	BU34TD3WG

车载用 6.5V耐压 300mA CMOS LDO稳压器 带关断开关

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Vsat (Max) (mV)	Ripple Rejection (dB)	Load Regulation (Max) (mV)	Circuit Current (μA)	Input Capacitor (μF)	Output Capacitor (μF)	Shut Down Switch	Over Current Protection	Temperature Protection	Discharge Function	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
New BU12JA3DG-C	1.7 to 6.0	1.2	±2 (T_j=−40 to +150˚C)	0.3	500 (I_O=300mA)	60	15	37	0.1	1.0	✓	✓	✓	✓	SSOP5	FSs	YES
New BU15JA3DG-C		1.5			365 (I_O=300mA)		15	37							SSOP5	FSs	YES
New BU18JA3DG-C		1.8			330 (I_O=300mA)		15	37							SSOP5	FSs	YES
New BU25JA3DG-C		2.5			240 (I_O=300mA)		15	37							SSOP5	FSs	YES
New BU30JA3DG-C		3.0			220 (I_O=300mA)		15	37							SSOP5	FSs	YES
New BU33JA3DG-C		3.3			200 (I_O=300mA)		15	37							SSOP5	FSs	YES

车载用 6.5V耐压 200mA CMOS LDO稳压器 带关断开关

Type	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Vsat (mV)	Ripple Rejection (dB)	Load Regulation (mV)	Circuit Current (μA)	Output Short Current (mA)	Input Capacitor (μF)	Output Capacitor (μF)	Shut Down Switch	Over Current Protection	Temperature Protection	Discharge Function	Package/Part No. SSON004X1216	Package/Part No. HVSOF5
BU15TA2W	2.5 to 5.5	1.5	±25mV	0.2	–	70	10 (I_O=0.01 to 100mA)	40	70	1.0	1.0	✓	✓	✓	✓	BU15TA2WNVX	BU15TA2WHFV
BU18TA2W		1.8														BU18TA2WNVX	BU18TA2WHFV
BU25TA2W		2.5	±1		400 (I_O=200mA)	65										BU25TA2WNVX	BU25TA2WHFV
BU26TA2W		2.6														BU26TA2WNVX	BU26TA2WHFV
BU27TA2W		2.7			360 (I_O=200mA)											BU27TA2WNVX	BU27TA2WHFV
BU28TA2W		2.8														BU28TA2WNVX	BU28TA2WHFV
BU2JTA2W		2.85														BU2JTA2WNVX	BU2JTA2WHFV
BU29TA2W		2.9			330 (I_O=200mA)											BU29TA2WNVX	BU29TA2WHFV
BU30TA2W		3.0														BU30TA2WNVX	BU30TA2WHFV
BU31TA2W		3.1														BU31TA2WNVX	BU31TA2WHFV
BU32TA2W		3.2			300 (I_O=200mA)											BU32TA2WNVX	BU32TA2WHFV
BU33TA2W		3.3														BU33TA2WNVX	BU33TA2WHFV
BU34TA2W		3.4														BU34TA2WNVX	BU34TA2WHFV

*1 “ComfySIL™ 功能安全类别” 的详情请参阅封二。

关于输入电压，请考虑输出电压值以及输入输出电压差后使用。

车载用 6.5V耐压 200mA CMOS LDO稳压器 带关断开关(BUxxSD系列 V_{IN}=1.7 to 6.0V)

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Vsat (mV)	Ripple Rejection (dB)	Load Regulation (mV)	Circuit Current (μA)	Output Short Current (mA)	Input Capacitor (μF)	Output Capacitor (μF)	Shut Down Switch	Over Current Protection	Temperature Protection	Discharge Function	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BU12SD2MG-M	1.7 to 6.0	1.2	±2 (T_a=−40 to +105°C)	0.2	400 (I_O=100mA)	68	1 (I_O=1 to 200mA)	33	100	1.0	1.0	✓	✓	✓	–	SSOP5	FSs	YES
BU15SD2MG-M		1.5			280 (I_O=100mA)											SSOP5	FSs	YES
BU18SD2MG-M		1.8			150 (I_O=100mA)											SSOP5	FSs	YES
BU25SD2MG-M		2.5			100 (I_O=100mA)											SSOP5	FSs	YES
BU28SD2MG-M		2.8			85 (I_O=100mA)											SSOP5	FSs	YES
BU30SD2MG-M		3.0														SSOP5	FSs	YES
BU33SD2MG-M		3.3														SSOP5	FSs	YES

6.5V耐压 200mA CMOS LDO稳压器 带关断开关

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Vsat (mV)	Ripple Rejection (dB)	Load Regulation (mV)	Circuit Current (μA)	Output Short Current (mA)	Input Capacitor (μF)	Output Capacitor (μF)	Shut Down Switch	Over Current Protection	Temperature Protection	Discharge Function	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BU10JA2MNVX-C	1.7 to 6.0	1.0	±36mV	0.2	800	70	10	35	70	0.47	0.47	✓	✓	✓	✓	SSON004R1010	FSs	YES
BU11JA2MNVX-C		1.1														SSON004R1010	FSs	YES
BU12JA2MNVX-C		1.2			600											SSON004R1010	FSs	YES
BU1CJA2MNVX-C		1.25														SSON004R1010	FSs	YES
BU15JA2MNVX-C		1.5			440											SSON004R1010	FSs	YES
BU18JA2MNVX-C		1.8	±2		380											SSON004R1010	FSs	YES
BU25JA2MNVX-C		2.5			280											SSON004R1010	FSs	YES
BU28JA2MNVX-C		2.8			260											SSON004R1010	FSs	YES
BU2JJA2MNVX-C		2.85														SSON004R1010	FSs	YES
BU29JA2MNVX-C		2.9			240											SSON004R1010	FSs	YES
BU30JA2MNVX-C		3.0														SSON004R1010	FSs	YES
BU33JA2MNVX-C		3.3			220											SSON004R1010	FSs	YES
BU34JA2MNVX-C		3.4														SSON004R1010	FSs	YES
BU10JA2VG-C		1.0			–	68	0.5	33	100	1.0	1.0	✓	✓	✓	–	SSOP5	FSs	YES
BU12JA2VG-C		1.2														SSOP5	FSs	YES
BU1CJA2VG-C		1.25														SSOP5	FSs	YES
BU15JA2VG-C		1.5														SSOP5	FSs	YES
BU18JA2VG-C		1.8			160											SSOP5	FSs	YES
BU25JA2VG-C		2.5			100											SSOP5	FSs	YES
BU28JA2VG-C		2.8			85											SSOP5	FSs	YES
BU2JJA2VG-C		2.85														SSOP5	FSs	YES
BU30JA2VG-C		3.0														SSOP5	FSs	YES
BU33JA2VG-C		3.3														SSOP5	FSs	YES
BU10JA2DG-C		1.0			–										✓	SSOP5	FSs	YES
BU12JA2DG-C		1.2														SSOP5	FSs	YES
BU1CJA2DG-C		1.25														SSOP5	FSs	YES
BU15JA2DG-C		1.5														SSOP5	FSs	YES
BU18JA2DG-C		1.8			160											SSOP5	FSs	YES
BU25JA2DG-C		2.5			100											SSOP5	FSs	YES
BU28JA2DG-C		2.8			85											SSOP5	FSs	YES
BU2JJA2DG-C		2.85														SSOP5	FSs	YES
BU30JA2DG-C		3.0														SSOP5	FSs	YES
BU33JA2DG-C		3.3														SSOP5	FSs	YES

6.5V耐压 200mA CMOS LDO稳压器 带关断开关 WL-CSP型

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Vsat (mV)	Ripple Rejection (dB)	Load Regulation (mV)	Circuit Current (μA)	Output Short Current (mA)	Input Capacitor (μF)	Output Capacitor (μF)	Shut Down Switch	Over Current Protection	Temperature Protection	Discharge Function	Package (mm)
BU18SA4WGWL	1.7 to 5.5	1.8	±2	0.2	100 (I_O=150mA)	70	2 (I_O=1 to 100mA)	40	100	0.47	0.47	✓	✓	✓	–	UCSP50L1 0.8×0.8, H=Max 0.55mm
BU25SA4WGWL		2.5			80 (I_O=150mA)											UCSP50L1 0.8×0.8, H=Max 0.55mm
BU2FSA4WGWL		2.55														UCSP50L1 0.8×0.8, H=Max 0.55mm
BU28SA4WGWL		2.8														UCSP50L1 0.8×0.8, H=Max 0.55mm
BU30SA4WGWL		3.0														UCSP50L1 0.8×0.8, H=Max 0.55mm
BU33SA4WGWL		3.3														UCSP50L1 0.8×0.8, H=Max 0.55mm

*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

低饱和稳压器(LDO)

关于输入电压，请考虑输出电压值以及输入输出电压差后使用。

6.5V耐压 150mA CMOS LDO稳压器 带关断开关

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Vsat (mV)	Ripple Rejection (dB)	Load Regulation (mV)	Circuit Current (μA)	Output Short Current (mA)	Input Capacitor (μF)	Output Capacitor (μF)	Shut Down Switch	Over Current Protection	Temperature Protection	Package
BH25NB1WHFV	2.5 to 5.5	2.5	±1	0.15	250 (I_O=100mA)	80	6 (I_O=1 to 100mA)	60	50	0.1	2.2	✓	✓	✓	HVSOF5
BH28NB1WHFV		2.8													HVSOF5
BH2JNB1WHFV		2.85													HVSOF5
BH29NB1WHFV		2.9													HVSOF5
BH30NB1WHFV		3.0													HVSOF5
BH31NB1WHFV		3.1													HVSOF5
BH33NB1WHFV		3.3													HVSOF5

6.5V耐压 150mA CMOS LDO稳压器 WL-CSP型

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	Vsat (mV)	Ripple Rejection (dB)	Load Regulation (mV)	Circuit Current (μA)	Output Short Current (mA)	Input Capacitor (μF)	Output Capacitor (μF)	Shut Down Switch	Over Current Protection	Temperature Protection	Package (mm)
BH15RB1WGUT	2.5 to 5.5	1.5	±25mV	0.15	–	63	2 (I_O=1 to 100mA)	34	40	1.0	1.0	✓	✓	✓	VCSP60N1 1.04×1.0, H=Max 0.675
BH18RB1WGUT		1.8													VCSP60N1 1.04×1.0, H=Max 0.675
BH25RB1WGUT		2.5	±1		100 (I_O=100mA)										VCSP60N1 1.04×1.0, H=Max 0.675
BH28RB1WGUT		2.8													VCSP60N1 1.04×1.0, H=Max 0.675
BH29RB1WGUT		2.9													VCSP60N1 1.04×1.0, H=Max 0.675
BH30RB1WGUT		3.0													VCSP60N1 1.04×1.0, H=Max 0.675
BH31RB1WGUT		3.1													VCSP60N1 1.04×1.0, H=Max 0.675
BH33RB1WGUT		3.3													VCSP60N1 1.04×1.0, H=Max 0.675

6.5V耐压 150mA CMOS LDO稳压器 带模式切换功能

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision (%) High Speed Mode	Output Voltage Precision (%) Low I_{CC} Mode	Output Current (A)	Vsat (mV)	Ripple Rejection (dB)	Load Regulation (mV)	Circuit Current(μA) High Speed Mode	Circuit Current(μA) Low I_{CC} Mode	Output Short Current (mA)	Input Capacitor (μF)	Output Capacitor (μF)	Shut Down Switch	Over Current Protection	Temperature Protection	Discharge Function	Package
BH12PB1WHFV	1.7 to 5.5	1.2	±25mV	−3.3 to +4.3	0.15	–	60 (High speed mode)	10 (I_O=10 to 100mA)	20	2	50	0.47	0.47	✓	✓	✓	✓	HVSOF5
BH15PB1WHFV		1.5																HVSOF5
BH18PB1WHFV		1.8																HVSOF5
BH25PB1WHFV		2.5	±1	−3.0 to +3.8		210 (I_O=100mA)												HVSOF5
BH28PB1WHFV		2.8																HVSOF5
BH29PB1WHFV		2.9																HVSOF5
BH30PB1WHFV		3.0																HVSOF5
BH31PB1WHFV		3.1																HVSOF5
BH33PB1WHFV		3.3																HVSOF5

6V耐压 可输出超低电压 LDO稳压器

Part No.	Output Current (A)	Input Voltage (V) V_{CC}	Input Voltage (V) V_{IN}	Output Voltage (V)	Voltage Accuracy (%)	Power Good	Adjustable Soft Start	UVLO	OCP	TSD	Package
New BD00JC0MNUX-M	1	3.0 to 5.5	0.95 to V_{CC}−1	0.65 to 2.7	±2	✓	✓	✓	Recovery	Recovery	VSON010X3030

UVLO：低电压误动作防止、OCP：过流保护、TSD：温度保护

超低饱和稳压器(LDO)

超低饱和型、快速瞬态响应 LDO稳压器

Part No.	Output Current (A)	Input Voltage (V) V_{CC}	Input Voltage (V) V_{IN}	Output Voltage (V)	Voltage Accuracy (%)	Power Good	Adjustable Soft Start	UVLO	OCP	TSD	Package
BD3550HFN	0.5	4.3 to 5.5	0.95 to (V_{CC}−1)	0.65 to 2.70	±1	–	✓	✓	Recovery	Recovery	HSON8
BD3551HFN	1.0	4.3 to 5.5	0.95 to (V_{CC}−1)								HSON8
BD3552HFN	2.0		0.95 to (V_{CC}−1)	0.65 to 2.70							HSON8
BD3508MUV	3.0		0.75 to (V_{CC}−1)								VQFN020V4040
BD3540NUV	0.5	3.0 to 5.5	0.95 to (V_{CC}−1)	0.65 to 2.70	±1	✓	✓	✓	Recovery	Recovery	VSON010V3030
BD3541NUV	1.0										VSON010V3030
BD3509MUV	4.0	4.3 to 5.5	0.7 to (V_{CC}−1)							Recovery	VQFN020V4040

UVLO：低电压误动作防止、OCP：过流保护、TSD：温度保护

多通道输出 低饱和稳压器(LDO)

关于输入电压，请考虑输出电压值以及输入输出电压差后使用。

2ch 输出可选 CMOS LDO稳压器

Part No.	Input Voltage (V)	V_{OUT}	Selectable Output Voltage (V)									Output Voltage Precision (%)	Output Current (A)	Vsat (mV) (I_O=100mA)	Ripple Rejection (dB)	Load Regulation (%)	Circuit Current (μA)	Output Short Current (mA)	Input Capacitor (μF)	Output Capacitor (μF)	Shut Down Switch	Over Current Protection	Temperature Protection	Low Voltage Protection	Package (mm)
BD7602GUL	2.7 to 5.5	1ch	3.0									2	0.1	–	45	0.7	10	–	1.0	4.7	✓	✓	✓	✓	VCSP50L1C 1.6x1.6, H=Max 0.57
		2ch	2.8	2.9	2.95	3.0	3.05	3.1	3.2	3.3	–		0.15												

3ch CMOS LDO稳压器

Part No.	Input Voltage (V)	Output Voltage (V)	Output Voltage Precision	Output Current (A)	Vsat (mV) (I_O=200mA)	Ripple Rejection (dB)	Load Regulation (%)	ch	Circuit Current (μA)	Output Short Current (mA)	Input Capacitor (μF)	Output Capacitor (μF)	Shut Down Switch	Over Current Protection	Temperature Protection	Discharge Function	Package
BU6650NUX	2.5 to 5.5	2.8	±1%	0.2	360	65	10 (I_O=1 to 100mA)	1	120	70	2.2	1.0	✓	✓	✓	✓	VSON008X2030
		2.8	±1%		360	65		2									
		1.8	±25mV		–	70		3									
BU6651NUX		2.8	±1%		360	65		1									VSON008X2030
		1.8	±25mV		–	70		2									
		1.5	±25mV		–	70		3									
BU6652NUX		2.8	±1%		360	65		1									VSON008X2030
		2.8	±1%		360	65		2									
		1.5	±25mV		–	70		3									
BU6653NUX		2.8	±1%		360	65		1									VSON008X2030
		1.8	±25mV		–	70		2									
		1.8	±25mV		–	70		3									
BU6654NUX		3.3	±1%		300	65		1									VSON008X2030
		1.8	±25mV		–	70		2									
		1.5	±25mV		–	70		3									
BU6655NUX		3.3	±1%		300	65		1									VSON008X2030
		2.8	±1%		360	65		2									
		1.8	±25mV		–	70		3									

带看门狗计时器的低饱和稳压器(LDO)

550mA LDO稳压器＋看门狗计时器复位

Part No.	Input Voltage (V)	LDO				Voltage Detector			Circuit Current (μA)	Operating Temperature (°C)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
		Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	I/O Voltage Difference (V)	Detection Voltage (V)	Voltage Detection Precision (%)	Function					
BD4271EFJ-C	5.5 to 45.0	5	±2 (T_j=−40 to +150°C)	0.55	0.2 (I_O=300mA)	4.65	±2.6	4.65V Voltage Detector+WDT	75	T_j=−40 to +150	HTSOP-J8	FSs	YES
BD4271HFP-C											HRP7	FSs	YES
BD4271FP2-C											TO263-7	FSs	YES

500mA LDO稳压器＋看门狗计时器复位

Part No.	Input Voltage (V)	LDO				Voltage Detector			Circuit Current (μA)	Operating Temperature (°C)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
		Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	I/O Voltage Difference (V)	Detection Voltage (V)	Voltage Detection Precision (%)	Function					
BD3021HFP	5.6 to 36.0	5	±2 (T_a=−40 to +125°C)	0.5	0.3 (I_O=200mA)	4.5	±2	4.5V Voltage Detector+WDT (Active switch)	80	T_a=−40 to +125	HRP7	FSs	YES
BD3020HFP						Variable (at Vs open: 4.1V)		Adjustable Voltage Detector+WDT			HRP7	FSs	YES

200mA LDO稳压器＋看门狗计时器复位

Part No.	Input Voltage (V)	LDO				Voltage Detector			Circuit Current (μA)	Operating Temperature (°C)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
		Output Voltage (V)	Output Voltage Precision (%)	Output Current (A)	I/O Voltage Difference (V)	Detection Voltage (V)	Voltage Detection Precision (%)	Function					
New BD820F5UEFJ-C	5.9 to 42.0	5	±2 (T_j=−40 to +150°C)	0.2	0.4 (I_O=200mA)	4.2	±2.62	4.2V Voltage Detector+WDT	5	T_j=−40 to +150	HTSOP-J8	FSs	YES

*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

带电压检测器的低饱和稳压器(LDO)

关于输入电压，请考虑输出电压值以及输入输出电压差后使用。

500mA LDO稳压器＋复位

Part No.	Input Voltage (V)	LDO: Output Voltage (V)	LDO: Output Voltage Precision (%)	LDO: Output Current (A)	LDO: I/O Voltage Difference (V)	Voltage Detector: Detection Voltage (V)	Voltage Detector: Voltage Detection Precision (%)	Shutdown Switch	Circuit Current (μA)	Operating Temperature (°C)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD42754FPJ-C	5.5 to 45.0	5	±2 (T_j=−40 to +150°C, V_{CC}=6.0 to 28V, I_O=5 to 400mA)	0.5	0.25 (I_O=300mA)	4.62	±2.8	—	75	T_j=−40 to +150	TO252-J5	FSs	YES
BD42754FP2-C											TO263-5	FSs	YES

200mA/300mA LDO稳压器＋复位

Part No.	Input Voltage (V)	LDO: Output Voltage (V)	LDO: Output Voltage Precision (%)	LDO: Output Current (A)	LDO: I/O Voltage Difference (V)	Voltage Detector: Detection Voltage (V)	Voltage Detector: Voltage Detection Precision (%)	Shutdown Switch	Circuit Current (μA)	Operating Temperature (°C)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD4269FJ-C	5.5 to 45.0	5	±2 (T_j=−40 to +150°C, V_{CC}=6.0 to 16V, I_O=1 to 100mA)	0.2	0.25 (I_O=100mA)	Variable (with RADJ not used: 4.62V)	±2.6	—	70	T_j=−40 to +150	SOP-J8	FSs	YES
New BD4269UEFJ-C				0.3							HTSOP-J8	FSs	YES

◎ComfySIL™ 是ROHM Co., Ltd.的商标或注册商标。
*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

电压跟踪器

500mA 电压跟踪器

Part No.	Input Voltage (V)	Output Current (A)	Offset Voltage (mV)	I/O Voltage Difference (V)	Circuit Current (μA)	Operating Temperature (°C)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD3925FP-C	4.5 to 36.0	0.5	±10 (T_a=−40 to +125°C, V_{CC}=6 to 36V, I_O=5 to 200mA)	0.25 (I_O=200mA)	45	T_a=−40 to +125	TO252-5	FSs	YES
BD3925HFP-C							HRP5	FSs	YES

250mA 电压跟踪器

Part No.	Input Voltage (V)	Output Current (A)	Offset Voltage (mV)	I/O Voltage Difference (V)	Circuit Current (μA)	Operating Temperature (°C)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
New BD42530UEFJ-C	5.6*2 to 42.0	0.25	±10 (T_j=−40 to +150°C, V_{CC}=6 to 32V, I_O=0.1 to 250mA)	0.28 (I_O=200mA)	40	T_j=−40 to +150	HTSOP-J8	FSs	YES
BD42530FP2-C							TO263-5	FSs	YES
BD42530FPJ-C							TO252-J5	FSs	YES

50mA/70mA 电压跟踪器

Part No.	Input Voltage (V)	Output Current (A)	Offset Voltage (mV)	I/O Voltage Difference (V)	Circuit Current (μA)	Operating Temperature (°C)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD42500G-C	5.3*2 to 42.0	0.05	±15 (T_j=−40 to +150°C, V_{CC}=6 to 40V, I_O=1 to 50mA)	0.12 (I_O=50mA)	40	T_j=−40 to +150	SSOP5	FSs	YES
BD42540FJ-C	5.4*2 to 42.0	0.07	±10 (T_j=−40 to +150°C, V_{CC}=5.5 to 26V, I_O=0.1 to 60mA)	0.2 (I_O=70mA)	40	T_j=−40 to +150	SOP-J8	FSs	YES

◎ComfySIL™ 是ROHM Co., Ltd.的商标或注册商标。
*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。
*2 5V setting

高音质音响用电源

高音质音响用电源

Part No.	Output Current (A)	Input Voltage (V)	Output Voltage (V)	Reference Voltage Accuracy (%)	Dropout Voltage (mV)	Noise Level (μVrms)	PSRR (dB)	Over Current Protection	Thermal Protection	Package
BD37201NUX	0.5	2.7 to 5.5	Variable 1.0 to 4.5	±1	200	3.3	90 (f=1kHz) 55 (f=1MHz)	✓	✓	VSON008X2030

DDR SDRAM用线性稳压器

DDR SDRAM用终端稳压器

Part No.	V_{CC} Input Voltage (V)	V_{TT_IN} Termination Input Voltage (V)	V_{DDQ} Reference Input Voltage (V)	V_{TT} Output Voltage (V)	V_{TT} Voltage Precision (mV)	V_{TT} Output Current (A)	V_{REF} Output Current (mA)	Features: Enable	Soft Start	Power Good	UVLO	Output Ceramic Capacitors	Thermal Protection	DDR (VDDQ): DDR1 (2.5V/2.6V)	DDR2 (1.8V)	DDR2L (1.5V)	LPDDR2 (1.2V)	DDR3 (1.5V)	DDR3L (1.35V)	DDR3U (1.25V)	LPDDR3 (1.2V)	DDR4 (1.2V)	Package
BD3533F	2.7 to 5.5	1.0 to 5.5	1.00 to 2.75	0.75 to 1.25	±30	±1.0	±20	✓	✓	—	✓	—	Recovery	✓	✓	—	—	—	—	—	—	—	SOP8
BD3533FVM																							MSOP8
BD3533HFN																							HSON8
BD3539FVM	2.7 to 5.5	1.0 to 5.5	1.00 to 2.75	0.75 to 1.25	±15	±1.0	±25	✓	✓	—	✓	✓	Recovery	✓	✓	✓	—	✓	—	—	—	—	MSOP8
BD3539NUX																							VSON008X2030
BD35390FJ	2.7 to 5.5	1.0 to 5.5	1.00 to 2.75	0.75 to 1.25	±15	±1.0	—	✓	✓	✓	✓	✓	Recovery	✓	✓	✓	—	✓	—	—	—	—	SOP-J8

车载用 DDR SDRAM用终端稳压器

Part No.	V_{CC} Input Voltage (V)	V_{TT_IN} Termination Input Voltage (V)	V_{DDQ} Reference Input Voltage (V)	V_{TT} Output Voltage (V)	V_{TT} Voltage Precision (mV)	V_{TT} Output Current (A)	V_{REF} Output Current (mA)	Features: Enable	Soft Start	Power Good	UVLO	Output Ceramic Capacitors	Thermal Protection	DDR (VDDQ): DDR1 (2.5V/2.6V)	DDR2 (1.8V)	DDR2L (1.5V)	LPDDR2 (1.2V)	DDR3 (1.5V)	DDR3L (1.35V)	DDR3U (1.25V)	LPDDR3 (1.2V)	DDR4 (1.2V)	Package	Automotive Grade AEC-Q100
BD35395FJ-M	2.7 to 5.5	1.0 to 5.5	1.00 to 2.75	0.500 to 1.375	±13.5	±1.0	—	✓	✓	✓	✓	✓	Recovery	✓	✓	✓	—	✓	✓	—	—	—	SOP-J8	YES

开关稳压器

内置FET的开关稳压器(降压转换器)	P.43	内置FET的开关稳压器(升压/升降压转换器)	P.45
外置FET的开关稳压器(降压控制器)	P.45	外置FET的开关稳压器(升压/升降压控制器)	P.46
支持车载的开关稳压器	P.46		

开关稳压器

内置FET的开关稳压器(降压转换器)

耐压7V以下 1A以下 单输出 降压转换器

Part No.	Input Voltage Maximum Rating (V)	Output Current (A)	Input Voltage (V)	Output Voltage (V)	Switching Frequency (MHz)	Circuit Current (μA)	Control Mode	Features: Power Good	Adjustable Soft Start	Synchronous Rectifier	Light-Load Efficiency	Over-Current Protection	Thermal Protection	Package (mm)
BD9122GUL	7	0.3	2.5 to 5.5	1 to 2	1	200	Current	–	–	✓	✓	Latch	Latch	VCSP50L2 2.5x1.1, H=0.55
Nano BD70522GUL*1	6	0.5	2.5 to 5.5	1.2 to 3.3*2	1	0.18	On-time	✓	–	✓	✓	Recovery	Recovery	VCSP50L1C 1.76x1.56, H=0.57
BD9161FVM	7	0.6	2.5 to 4.5	1.0 to 3.3	1	200	Current	–	–	✓	✓	Latch	Latch	MSOP8
BD9161FVM-LB	7	0.6	2.5 to 4.5	1.0 to 3.3	1	200	Current	–	–	✓	✓	Latch	Latch	MSOP8
BD9120HFN	7	0.8	2.7 to 4.5	1.0 to 1.5	1	200	Current	–	–	✓	✓	Latch	Latch	HSON8
BD9102FVM	7	0.8	4.0 to 5.5	1.24	1	250	Current	–	–	✓	✓	Latch	Latch	MSOP8
BD8966FVM	7	0.8	4.0 to 5.5	1.0 to 2.5	1	–	Current	–	–	✓	–	Latch	Latch	MSOP8
BD9106FVM	7	0.8	4.0 to 5.5	1.0 to 2.5	1	250	Current	–	–	✓	✓	Latch	Latch	MSOP8
BD9106FVM-LB	7	0.8	4.0 to 5.5	1.0 to 2.5	1	250	Current	–	–	✓	✓	Latch	Latch	MSOP8
BD9109FVM	7	0.8	4.5 to 5.5	3.3	1	250	Current	–	–	✓	✓	Latch	Latch	MSOP8
BD9109FVM-LB	7	0.8	4.5 to 5.5	3.3	1	250	Current	–	–	✓	✓	Latch	Latch	MSOP8
BD8967FVM	7	0.8	4.5 to 5.5	3.3	1	–	Current	–	–	✓	–	Latch	Latch	MSOP8
BD9104FVM	7	0.8	4.5 to 5.5	3.3	1	250	Current	–	–	✓	✓	Latch	Latch	MSOP8
BD9A100MUV	7	1	2.7 to 5.5	0.8 to (V_{IN}×0.7)	1	350	Current	✓	✓	✓	✓	Recovery	Recovery	VQFN016V3030
BD9A101MUV-LB	7	1	2.7 to 5.5	0.8 to (V_{IN}×0.7)	1	350	Current	✓	✓	✓	✓	Recovery	Recovery	VQFN016V3030
BD9B100MUV	7	1	2.7 to 5.5	0.8 to (V_{IN}×0.8)	2/1	35	On-time	✓	✓	✓	Deep	Recovery	Recovery	VQFN016V3030
BU90008GWZ	7	1	2.3 to 5.5	1	3.6	45	On-time	–	–	✓	✓	Recovery	Recovery	UCSP35L1 1.3x0.9, H=0.4
BU90003GWZ	7	1	2.3 to 5.5	1.2	4	45	On-time	–	–	✓	✓	Recovery	Recovery	UCSP35L1 1.3x0.9, H=0.4
BU90007GWZ	7	1	2.3 to 5.5	1.25	4	45	On-time	–	–	✓	✓	Recovery	Recovery	UCSP35L1 1.3x0.9, H=0.4
BU90009GWZ	7	1	2.3 to 5.5	1.3	4.2	45	On-time	–	–	✓	✓	Recovery	Recovery	UCSP35L1 1.3x0.9, H=0.4
BU90004GWZ	7	1	2.3 to 5.5	1.8	5.4	45	On-time	–	–	✓	✓	Recovery	Recovery	UCSP35L1 1.3x0.9, H=0.4
BU90104GWZ	7	1	2.3 to 5.5	1.8	5.4	45	On-time	–	–	✓	✓	Recovery	Recovery	UCSP35L1 1.3x0.9, H=0.4
BU90005GWZ	7	1	2.3 to 5.5	2.5	6	45	On-time	–	–	✓	✓	Recovery	Recovery	UCSP35L1 1.3x0.9, H=0.4
BU90006GWZ	7	1	2.3 to 5.5	3	6	55	On-time	–	–	✓	✓	Recovery	Recovery	UCSP35L1 1.3x0.9, H=0.4
BU90002GWZ	7	1	4.0 to 5.5	3.3	6	55	On-time	–	–	✓	✓	Recovery	Recovery	UCSP35L1 1.3x0.9, H=0.4

耐压7V以下 1.2～3A 单输出 降压转换器

Part No.	Input Voltage Maximum Rating (V)	Output Current (A)	Input Voltage (V)	Output Voltage (V)	Switching Frequency (MHz)	Circuit Current (μA)	Control Mode	Features: Power Good	Adjustable Soft Start	Synchronous Rectifier	Light-Load Efficiency	Over-Current Protection	Thermal Protection	Package (mm)
BD8964FVM	7	1.2	4.0 to 5.5	1.0 to 1.8	1	–	Current	–	–	✓	–	Latch	Latch	MSOP8
BD9107FVM	7	1.2	4.0 to 5.5	1.0 to 1.8	1	250	Current	–	–	✓	✓	Latch	Latch	MSOP8
BU90028NUX	7	1.5	2.3 to 5.5	1.18	1	53	On-time	–	–	✓	✓	Recovery	Recovery	VSON008X2030
BU90023NUX	7	1.5	2.3 to 5.5	1.23	1	53	On-time	–	–	✓	✓	Recovery	Recovery	VSON008X2030
BD9B200MUV	7	2	2.7 to 5.5	0.8 to (V_{IN}×0.8)	2/1	40	On-time	✓	✓	✓	Deep	Recovery	Recovery	VQFN016V3030
BD9A201FP4-LBZ	7	2	2.7 to 5.5	0.8 to (V_{IN}×0.7)	1	350	Current	✓	–	✓	–	Recovery	Recovery	TSOT23-8L
BD9110NV	7	2	4.5 to 5.5	1.0 to 2.5	1	250	Current	–	–	✓	✓	Latch	Latch	SON008V5060
BD8960NV	7	2	2.7 to 5.5	1.0 to 2.5*2	1	–	Current	–	–	✓	–	Latch	Latch	SON008V5060
BD9130NV	7	2	2.7 to 5.5	1.0 to 2.5*2	1	250	Current	–	–	✓	✓	Latch	Latch	SON008V5060
BD8961NV	7	2	4.5 to 5.5	3.3	1	–	Current	–	–	✓	–	Latch	Latch	SON008V5060
BD9111NV	7	2	4.5 to 5.5	3.3	1	250	Current	–	–	✓	✓	Latch	Latch	SON008V5060
BD8962MUV	7	3	2.7 to 5.5	0.8 to 2.5*2	1	–	Current	–	–	✓	–	Latch	Latch	VQFN020V4040
BD8963EFJ	7	3	2.7 to 5.5	1.0 to 2.5*2	1	–	Current	–	–	✓	–	Latch	Latch	HTSOP-J8
BD9139MUV	7	3	2.7 to 5.5	0.8 to 3.3*2	1	200	Current	–	–	✓	✓	Latch	Latch	VQFN016V3030
BD9A300MUV	7	3	2.7 to 5.5	0.8 to (V_{IN}×0.7)	1	350	Current	✓	✓	✓	✓	Recovery	Recovery	VQFN016V3030
BD9A301MUV-LB	7	3	2.7 to 5.5	0.8 to (V_{IN}×0.7)	1	350	Current	✓	✓	✓	✓	Recovery	Recovery	VQFN016V3030
BD9B305QUZ	7	3	2.7 to 5.5	0.6 to (V_{IN}×0.8)	1	15	On-time	✓	✓	✓	✓	Recovery	Recovery	VMMP08LZ2020 2.0×2.0, H=0.4
BD9B333GWZ	7	3	2.7 to 5.5	0.6 to (V_{IN}×0.8)	1.3	50	On-time	✓	✓	✓	Deep	Recovery	Recovery	UCSP35L1 1.98x1.8, H=0.4
BD9B300MUV	7	3	2.7 to 5.5	0.8 to (V_{IN}×0.8)	2/1	35	On-time	✓	✓	✓	Deep	Recovery	Recovery	VQFN016V3030
BD9B301MUV-LB	7	3	2.7 to 5.5	0.8 to (V_{IN}×0.8)	2/1	45	On-time	✓	✓	✓	Deep	Recovery	Recovery	VQFN016V3030
BD9B304QWZ	7	3	2.7 to 5.5	0.8 to (V_{IN}×0.8)	2/1	40	On-time	–	–	✓	Deep	Recovery	Recovery	UMMP008AZ020 2.0×2.0, H=0.4

*1 BD70522GUL内搭载了日本碍子株式会社的小型大容量锂离子二次电池“EnerCera®”的超高效电池管理解决方案参考板“REFLVBMS001-EVK-001”。详情请参阅网站。
*2 根据输入输出电压条件，会存在限制。

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内置FET的开关稳压器(降压转换器)

耐压7V以下 4A以上 单输出 降压转换器

Part No.	Input Voltage Maximum Rating (V)	Output Current (A)	Input Voltage (V)	Output Voltage (V)	Switching Frequency (MHz)	Circuit Current (μA)	Control Mode	Features: Power Good	Adjustable Soft Start	Synchronous Rectifier	Light-Load Efficiency	Over-Current Protection	Thermal Protection	Package
BD9137MUV	7	4	2.7 to 5.5	0.8 to 3.3*	1	250	Current	–	–	✓	✓	Recovery	Recovery	VQFN020V4040
BD91361MUV	7	4	2.7 to 5.5	0.8 to 3.3*	1	250	Current	–	–	✓	✓	Latch	Latch	VQFN020V4040
BD9A400MUV	7	4	2.7 to 5.5	0.8 to (V_{IN}×0.7)	1	350	Current	✓	✓	✓	✓	Recovery	Recovery	VQFN016V3030
BD9B400MUV	7	4	2.7 to 5.5	0.8 to (V_{IN}×0.8)	2/1	45	On-time	✓	✓	✓	Deep	Recovery	Recovery	VQFN016V3030
BD91364BMUU	7	5	2.9 to 5.5	0.8 to (V_{IN}×0.8)	1.7	150	On-time	✓	✓	✓	✓	Latch	Recovery	VQFN20U4040M
BD9B500MUV	7	5	2.7 to 5.5	0.8 to (V_{IN}×0.8)	2/1	45	On-time	✓	✓	✓	Deep	Recovery	Recovery	VQFN016V3030
BD9A600MUV	7	6	2.7 to 5.5	0.8 to (V_{IN}×0.7)	1	400	Current	✓	✓	✓	✓	Recovery	Recovery	VQFN016V3030
BD9B600MUV	7	6	2.7 to 5.5	0.8 to (V_{IN}×0.8)	2/1	45	On-time	✓	✓	✓	Deep	Recovery	Recovery	VQFN016V3030

耐压20V以下 1A以下 单输出 降压转换器

Part No.	Input Voltage Maximum Rating (V)	Output Current (A)	Input Voltage (V)	Output Voltage (V)	Switching Frequency (MHz)	Circuit Current (μA)	Control Mode	Features: Power Good	Adjustable Soft Start	Synchronous Rectifier	Light-Load Efficiency	Over-Current Protection	Thermal Protection	Over-Voltage Protection	Package
BD8312HFN	15	0.8	3.5 to 14.0	1.2 to 12.0*	1.5	600	Voltage	–	–	✓	–	–	Recovery	–	HSON8
BD8313HFN	15	1	3.5 to 14.0	1.2 to 12.0*	1	600	Voltage	–	–	✓	–	–	Recovery	–	HSON8

耐压20V以下 2A～3A 单输出 降压转换器

Part No.	Input Voltage Maximum Rating (V)	Output Current (A)	Input Voltage (V)	Output Voltage (V)	Switching Frequency (MHz)	Circuit Current (μA)	Control Mode	Features: Power Good	Adjustable Soft Start	Synchronous Rectifier	Light-Load Efficiency	Over-Current Protection	Thermal Protection	Over-Voltage Protection	Package (mm)
BD9141MUV	15	2	4.5 to 13.2	2.5 to 6.0*	0.5	300	Current	–	–	✓	✓	Latch	Latch	–	VQFN020V4040
BD95821MUV	15.2	2	7.5 to 15.0	0.8 to (V_{IN}×0.5) (V_{IN}×0.5)≤5.5	0.5 to 0.8	1,200	H^3Reg	✓	–	✓	–	Latch	Recovery	✓	VQFN016V3030
BD9325FJ	20	2	4.75 to 18.0	0.9 to (V_{IN}×0.9)	0.38	2,100	Current	–	✓	–	–	Recovery	Recovery	–	SOP-J8
BD9325FJ-LB	20	2	4.75 to 18.0	0.9 to (V_{IN}×0.9)	0.38	2,100	Current	–	✓	–	–	Recovery	Recovery	–	SOP-J8
BD9859EFJ	15	3	5 to 14	1.0 to (V_{IN}×0.7)	0.75	2,800	Current	–	–	–	–	Recovery	Recovery	–	HTSOP-J8
BD95831MUV	15.2	3	7.5 to 15.0	0.8 to (V_{IN}×0.5) (V_{IN}×0.5)≤5.5	0.5 to 0.8	1,200	H^3Reg	✓	–	✓	–	Latch	Recovery	✓	VQFN016V3030
BD9D320EFJ	20	3	4.5 to 18.0	0.765 to 7.0 (V_{IN}×0.07) to (V_{IN}×0.65)	0.7	1,000	On-time	–	✓	✓	–	Recovery	Recovery	–	HTSOP-J8
BD9D300MUV	20	3	4.0 to 17.0	0.9 to 5.25	1.25	20	On-time	✓	✓	✓	✓	Recovery	Recovery	✓	VQFN016V3030
BD9C301FJ	20	3	4.5 to 18.0	(V_{IN}×0.125) to (V_{IN}×0.7)	0.5	1,500	Current	–	–	✓	–	Latch	Recovery	–	SOP-J8
BD9C301FJ-LB	20	3	4.5 to 18.0	(V_{IN}×0.125) to (V_{IN}×0.7)	0.5	1,500	Current	–	–	✓	–	Latch	Recovery	–	SOP-J8
BD9D321EFJ	20	3	4.5 to 18.0	0.765 to 7.0 (V_{IN}×0.07) to (V_{IN}×0.65)	0.7	700	On-time	–	✓	✓	✓	Recovery	Recovery	–	HTSOP-J8
BD9D322QWZ	20	3	4.5 to 18.0	0.765 to 7.0 (V_{IN}×0.07) to (V_{IN}×0.65)	0.7	700	On-time	–	✓	✓	✓	Recovery	Recovery	–	UMMP008Z2020 2.0×2.0, H=0.4
BD9D323QWZ	20	3	4.5 to 18.0	0.765 to 7.0 (V_{IN}×0.07) to (V_{IN}×0.65)	0.7	1,000	On-time	–	✓	✓	–	Recovery	Recovery	–	UMMP008Z2020 2.0×2.0, H=0.4
BD9326EFJ	20	3	4.75 to 18.0	0.9 to (V_{IN}×0.9)	0.38	2,100	Current	–	✓	–	–	Recovery	Recovery	–	HTSOP-J8
BD9326EFJ-LB	20	3	4.75 to 18.0	0.9 to (V_{IN}×0.9)	0.38	2,100	Current	–	✓	–	–	Recovery	Recovery	–	HTSOP-J8

耐压20V以下 4A以上 单输出 降压转换器

Part No.	Input Voltage Maximum Rating (V)	Output Current (A)	Input Voltage (V)	Output Voltage (V)	Switching Frequency (MHz)	Circuit Current (μA)	Control Mode	Features: Power Good	Adjustable Soft Start	Synchronous Rectifier	Light-Load Efficiency	Over-Current Protection	Thermal Protection	Over-Voltage Protection	Package
BD95841MUV	15.2	4	7.5 to 15.0	0.8 to (V_{IN}×0.5) (V_{IN}×0.5)≤5.5	0.5 to 0.8	1,200	H^3Reg	✓	–	✓	–	Latch	Recovery	✓	VQFN016V3030
BD9C401EFJ	20	4	4.5 to 18.0	(V_{IN}×0.125) to (V_{IN}×0.7) (V_{IN}×0.125)≥0.8	0.5	1,500	Current	–	–	✓	–	Latch	Recovery	–	HTSOP-J8
BD9327EFJ	20	4	4.75 to 18.0	0.9 to (V_{IN}×0.9)	0.38	2,100	Current	–	✓	–	–	Recovery	Recovery	–	HTSOP-J8
BD9327EFJ-LB	20	4	4.75 to 18.0	0.9 to (V_{IN}×0.9)	0.38	2,100	Current	–	✓	–	–	Recovery	Recovery	–	HTSOP-J8
BD9C501EFJ	20	5	4.5 to 18.0	(V_{IN}×0.075) to (V_{IN}×0.7) (V_{IN}×0.075)≥0.8	0.5	1,500	Current	–	–	✓	–	Latch	Recovery	–	HTSOP-J8
BD9C601EFJ	20	6	4.5 to 18.0	(V_{IN}×0.075) to (V_{IN}×0.7) (V_{IN}×0.075)≥0.8	0.5	1,500	Current	–	–	✓	–	Latch	Recovery	–	HTSOP-J8
BD95861MUV	20	6	7.5 to 18.0	0.8 to (V_{IN}×0.5) (V_{IN}×0.5)≤5.5	0.35 to 0.80	1,200	H^3Reg	✓	–	✓	–	Latch	Recovery	✓	VQFN024V4040

耐压22V以上 1A以下 单输出 降压转换器

Part No.	Input Voltage Maximum Rating (V)	Output Current (A)	Input Voltage (V)	Output Voltage (V)	Switching Frequency (MHz)	Circuit Current (μA)	Control Mode	Features: Power Good	Adjustable Soft Start	Synchronous Rectifier	Light-Load Efficiency	Over-Current Protection	Thermal Protection	Over-Voltage Protection	Package
BD9G102G-LB	45	0.5	6 to 42	(V_{IN}×0.08) to (V_{IN}×0.8) (V_{IN}×0.08)≥0.75	1	500	Current	–	–	–	–	Recovery	Recovery	✓	SSOP6
BD9G101G	45	0.5	6 to 42	(V_{IN}×0.15) to (V_{IN}×0.7) (V_{IN}×0.15)≥1.0	1.5	700	Current	–	–	–	–	Recovery	Recovery	–	SSOP6
BD9227F	22	1	6 to 20	(V_{IN}×0.252) to V_{IN} (V_{IN}×0.252)≥1.0	1	400	Current	–	–	–	–	Recovery	Recovery	–	SOP8
New BD9E105FP4-Z	30	1	4.5 to 28	V_{IN}×0.1V or 0.7V to V_{IN}×0.8V	0.5	55	Current	–	–	✓	✓	Recovery	Recovery	✓	TSOT23-6L
BD9E104FJ	30	1	7 to 26	(V_{IN}×0.143) to (V_{IN}×0.5) (V_{IN}×0.143)≥1.0	0.57	250	Current	–	–	✓	✓	Recovery	Recovery	✓	SOP-J8
BD9E101FJ-LB	40	1	7 to 36	(V_{IN}×0.0855) to (V_{IN}×0.7) (V_{IN}×0.0855)≥1.0	0.57	1,500	Current	–	–	✓	–	Recovery	Recovery	✓	SOP-J8
BD9E100FJ-LB	40	1	7 to 36	(V_{IN}×0.15) to (V_{IN}×0.7) (V_{IN}×0.15)≥1.0	1	1,500	Current	–	–	✓	–	Recovery	Recovery	✓	SOP-J8
Nano BD9V101MUF-LB	70	1	16 to 60	0.8 to 5.5	1.9 to 2.3	2,500	Current	✓	–	✓	–	Recovery	Recovery	✓	VQFN24FV4040

*根据输入输出电压条件，会存在限制。

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耐压22V以上 1.2A～3A 单输出 降压转换器

Part No.	Input Voltage Maximum Rating (V)	Output Current (A)	Input Voltage (V)	Output Voltage (V)	Switching Frequency (MHz)	Circuit Current (μA)	Control Mode	Features: Power Good	Adjustable Soft Start	Synchronous Rectifier	Light-Load Efficiency	Over-Current Protection	Thermal Protection	Over-Voltage Protection	Package
BD9E151ANUX	30	1.2	6 to 28	1.0 to (V_{IN}×0.7) or (V_{IN}−5.0)*2	0.6	800	Current	—	✓	—	—	Recovery	Recovery	✓	VSON008X2030
BD9701CP-V5	36	1.5	8 to 35	1.0 to (V_{IN}−3.0)	0.1	4,000	Voltage	—	—	—	—	Recovery	Recovery	—	TO220CP-V5
BD9701FP	36	1.5	8 to 35	1.0 to (V_{IN}−3.0)	0.1	4,000	Voltage	—	—	—	—	Recovery	Recovery	—	TO252-5
BD9703CP-V5	36	1.5	8 to 35	1.0 to (V_{IN}−3.0)	0.3	5,000	Voltage	—	—	—	—	Recovery	Recovery	—	TO220CP-V5
BD9703FP	36	1.5	8 to 35	1.0 to (V_{IN}−3.0)	0.3	5,000	Voltage	—	—	—	—	Recovery	Recovery	—	TO252-5
BD9870FPS	36	1.5	8 to 35	1.0 to (0.8×(V_{IN}-I_O×RON)	0.9	5,000	Voltage	—	—	—	—	Recovery	Recovery	—	TO252S-5
BD9873CP-V5	36	1.5	8 to 35	1.0 to (0.8×(V_{IN}-I_O×RON)	0.11	5,000	Voltage	—	—	—	—	Recovery	Recovery	—	TO220CP-V5
New BD9G201UEFJ-LB	45	1.5	4.5 to 42.0	0.8 to V_{IN}*1	0.3	1,200	Current	—	—	—	—	Recovery	Recovery	—	HTSOP-J8ES
New BD9E200FP4-Z	30	2	4.5 to 26.0	V_{IN}×0.1 or 0.7V to V_{IN}×0.8V	0.5	95	Current	—	—	✓	✓	Recovery	Recovery	✓	TSOT23-6L
New BD9E201FP4-Z	30	2	4.5 to 28.0	V_{IN}×0.1 or 0.7V to V_{IN}×0.8V	0.35	510	Current	—	—	✓	—	Recovery	Recovery	✓	TSOT23-6L
BD9778HFP	36	2	7 to 35	(V_{IN}×0.06) to V_{IN} (V_{IN}×0.06)≥1.0	0.05 to 0.50	3,000	Voltage	—	—	—	—	Recovery	Recovery	—	HRP7
BD9E301EFJ-LB	40	2.5	7 to 36	(V_{IN}×0.0855) to (V_{IN}×0.7) (V_{IN}×0.0855)≥1.0	0.57	1,500	Current	—	—	✓	—	Recovery	Recovery	✓	HTSOP-J8
BD9E300EFJ-LB	40	2.5	7 to 36	(V_{IN}×0.15) to (V_{IN}×0.7) (V_{IN}×0.15)≥1.0	1	1,500	Current	—	—	✓	—	Recovery	Recovery	✓	HTSOP-J8
BD9E302EFJ	30	3	7 to 28	(V_{IN}×0.11) to (V_{IN}×0.7) (V_{IN}×0.11)≥1.0	0.55	290	Current	—	—	✓	✓	Recovery	Recovery	✓	HTSOP-J8
BD9702CP-V5	36	3	8 to 35	1.0 to (V_{IN}−3.0)	0.11	4,000	Voltage	—	—	—	—	Recovery	Recovery	—	TO220CP-V5
BD9874CP-V5	36	3	8 to 35	1.0 to (0.8×(V_{IN}-I_O×RON)	0.11	5,000	Voltage	—	—	—	—	Recovery	Recovery	—	TO220CP-V5
New BD9E304FP4-LBZ	39	3	4.5 to 36	V_{IN}×0.1V or 0.7V to V_{IN}×0.8V	0.3	45	Current	—	✓	✓	✓	Recovery	Recovery	✓	TSOT23-8L
BD9E303EFJ-LB	40	3	7 to 36	(V_{IN}×0.06) to (V_{IN}×0.8) (V_{IN}×0.06)≥1.0	0.3	2,200	Current	—	—	✓	—	Recovery	Recovery	✓	HTSOP-J8
BD9G341AEFJ	80	3	12 to 76	1.0 to (V_{IN}×0.9)*1	0.05 to 0.75	1,500	Current	—	—	—	—	Recovery	Recovery	✓	HTSOP-J8
BD9G341AEFJ-LB	80	3	12 to 76	1.0 to (V_{IN}×0.9)*1	0.05 to 0.75	1,500	Current	—	—	—	—	Recovery	Recovery	✓	HTSOP-J8

耐压22V以上 4A以上 单输出 降压转换器

Part No.	Input Voltage Maximum Rating (V)	Output Current (A)	Input Voltage (V)	Output Voltage (V)	Switching Frequency (MHz)	Circuit Current (μA)	Control Mode	Features: Power Good	Adjustable Soft Start	Synchronous Rectifier	Light-Load Efficiency	Over-Current Protection	Thermal Protection	Over-Voltage Protection	Package
BD95514MUV	30	4	4.5 to 28.0	0.7 to 5.0	0.2 to 1.0	1,300	H³Reg	✓	✓	✓	✓	Latch	Recovery	✓	VQFN032V5050
Nano BD9F500QUZ	39	3 or 5	4.5 to 36.0	0.6 to 14.0	0.6, 1.0, 2.2	20	On-time	✓	✓	✓	✓	Recovery	Recovery	✓	VMMP16LZ3030
New BD9G500UEFJ-LA	80	5	7 to 76	1.0 to (0.97×V_{IN})*1	0.1 to 0.65	750	Current	—	—	—	—	Recovery	Recovery	✓	HTSOP-J8
BD95500MUV	24	6	3 to 20	0.7 to 5.0	0.2 to 1.0	1,200	H³Reg	✓	✓	✓	✓	Latch	Recovery	✓	VQFN040V6060
BD9F800MUX	30	8	4.5 to 28.0	0.765 to 13.5*1	0.3, 0.6	850	On-time	✓	—	✓	—	Recovery	Recovery	—	VQFN11X3535A

双输出 降压型

Part No.	Input Voltage Maximum Rating (V)	Output Current (A)	Input Voltage (V)	Output Voltage (V)	Switching Frequency (MHz)	Circuit Current (μA)	Control Mode	Features: Synchronous Rectifier	Light-Load Efficiency	Over-Current Protection	Thermal Protection	Over-Voltage Protection	Package
BD9151MUV	7	I_{O1}: 0.4 I_{O2}: 0.8	2.8 to 5.5	V_{O1}: 1.8 V_{O2}: 1.2	1	400	Current	✓	✓	Latch	Latch	—	VQFN020V4040
BD9152MUV	7	I_{O1}: 1.5 I_{O2}: 1.5	4.5 to 5.5	V_{O1}: 3.3 V_{O2}: 0.8 to 2.5	1	500	Current	✓	✓	Latch	Latch	—	VQFN020V4040
BD93291EFJ	30	I_{O1}: 2.5 I_{O2}: 1.5	8 to 26	V_{O1}: 5.0 V_{O2}: 0.8 to 4.0	1.5 to 2.5	600	H³Reg	✓	✓	Recovery	Recovery	—	HTSOP-J8

*1 根据输入输出电压条件，会存在限制。
*2 最大输出电压限制为(V_{IN}×0.7)、(V_{IN}-5.0)中数值较小的一方。

Nano Nano Pulse Control Nano 标记为采用Nano Pulse Control™ 技术、Nano Energy™ 技术或Nano Cap™ 技术的产品。Nano技术是罗姆充分实现节能和小型化的创新型电源技术。
上述 Nano 标记为采用Nano Energy™ 超低功耗技术的产品。Nano Pulse Control™、Nano Energy™ 和Nano Cap™ 是ROHM Co.,Ltd.的商标或注册商标。

内置FET的开关稳压器(升压/升降压转换器)

单输出 升压/升降压转换器

Part No.	Input Voltage Maximum Rating (V)	Switch Current Limit (mA)	Input Voltage (V)	Output Voltage (V)	Switching Frequency (MHz)	Circuit Current (μA)	Control Mode	Features: Boost	Buck-Boost	SEPIC	Inverting	Synchronous Rectifier	Light-Load Efficiency	Over-Current Protection	Thermal Protection	Package
BU33DV5G	6	10	1.75 to 4.50	3.3	0.1	250	Current	✓	—	—	—	✓	—	Recovery	✓	SSOP5
BU33DV7NUX	7	300	1.8 to 5.5	3.3	0.6	25	Current	✓	—	—	—	✓	✓	Recovery	✓	VSON010V3030
BU34DV7NUX	7	300	1.8 to 5.5	3.4	0.6	25	Current	✓	—	—	—	✓	✓	Recovery	✓	VSON010V3030
BU33UV7NUX	6.5	500	0.6 to 4.5	3.3	0.8	7	Current	✓	—	—	—	✓	✓	Recovery	✓	VSON010X3020
BD8152FVM	7	1,400	2.5 to 5.5	V_{IN} to 14	0.6/1.2	1,200	Current	✓	✓	✓	—	—	—	Recovery	✓	MSOP8
BD8158FVM	7	1,400	2.1 to 4.0	V_{IN} to 14	0.6/1.2	1,200	Current	✓	✓	✓	—	—	—	Recovery	✓	MSOP8
BD83070GWL	6	2,000	2.0 to 5.5	2.5 or 3.3	1.5	2.8	Current	—	✓	—	—	✓	✓	Recovery	✓	UCSP50L1C
BD8306MUV	7	2,000	1.8 to 5.5	1.8 to 5.2	0.3 to 2.0	500	Voltage	✓	✓	—	—	✓	—	Latch	✓	VQFN016V3030
BD8311NUV	14	2,500	3.5 to 11.0	4 to 11	1.2	600	Voltage	✓	—	—	—	—	—	Latch	✓	VSON010V3030
BD8314NUV	14	2,500	3 to 12	4 to 12	1.2	600	Voltage	✓	—	—	—	—	—	Latch	✓	VSON010V3030

双输出 升压/升降压转换器

Part No.	Input Voltage Maximum Rating (V)	Input Voltage (V)	Output Voltage (V)	Switching Frequency (MHz)	Circuit Current (μA)	Control Mode	Features: Boost	Buck-Boost	SEPIC	Inverting	Synchronous Rectifier	Light-Load Efficiency	Over-Current Protection	Thermal Protection	Package
BD8317GWL	7	2.5 to 5.5	V_{O1}: −9.0 to −1.0 V_{O2}: V_{IN} to 18	0.8	500	Current	✓	—	—	✓	—	—	Latch	✓	UCSP50L1
BD8316GWL	7	2.5 to 5.5	V_{O1}: −9.0 to −1.0 V_{O2}: V_{IN} to 18	1.6	500	Current	✓	—	—	✓	—	—	Latch	✓	UCSP50L1
BD83854GWL	7	2.5 to 4.5	±5.4	1.0/0.5	2,500	Current	✓	—	—	✓	✓	—	Latch	✓	UCSP50L1C
BD83854MUV	7	2.5 to 4.5	±5.4	1.0/0.5	2,500	Current	✓	—	—	✓	✓	—	Latch	✓	VQFN20PV3535

外置FET的开关稳压器(降压控制器)

单输出 降压控制器

Part No.	Input Voltage Maximum Rating (V)	Input Voltage (V)	Supply Voltage (V)	Output Voltage (V)	Switching Frequency (MHz)	Circuit Current (μA)	Control Mode	Features: Power Good	Externally Synchronizable	Adjustable Soft Start	Synchronous Rectifier	Light-Load Efficiency	Over-Current Protection	Thermal Protection	Package
BD9305AFVM	20	4.2 to 18.0	—	1.25 to V_{IN}*	0.1 to 0.8	1,500	Voltage	—	—	—	—	—	SCP Latch	Recovery	MSOP8
BD63536FJ	32	3 to 30	—	1.25 to V_{IN}*	0.01 to 0.3	2,000	Voltage	—	—	—	—	—	Recovery	Recovery	SOP-J8
BD9845FV	36	3.6 to 35.0	—	1.0 to V_{IN}*	0.1 to 1.5	2,400	Voltage	—	—	✓	—	—	Recovery	Recovery	SSOP-B14
BD9611MUV	60	10 to 56	—	(V_{IN}×0.02) to (V_{IN}×0.97) (V_{IN}×0.02)≥0.8*	0.05 to 0.50	2,000	Voltage	—	✓	✓	✓	—	Recovery	Recovery	VQFN020V4040

*根据输入输出电压条件，会存在限制。

外置FET的开关稳压器(降压控制器)

双输出 降压控制器

Part No.	Input Voltage Maximum Rating (V)	Input Voltage (V)	Supply Voltage (V)	Output Voltage (V)	Switching Frequency (MHz)	Circuit Current (μA)	Control Mode	Features: Power Good	Externally Synchronizable	Adjustable Soft Start	Synchronous Rectifier	Light-Load Efficiency	Over-Current Protection	Thermal Protection	Package
BD95602MUV-LB	30	5.5 to 28.0	–	1.0 to 5.5	0.15 to 0.50	250	H³Reg	✓	–	✓	✓	✓	Latch	Recovery	VQFN032V5050
BD9848FV	36	3.6 to 35.0	–	1.0 to V_{IN}*	0.1 to 1.5	3,000	Voltage	–	–	✓	–	–	Recovery	Recovery	SSOP-B20

*根据输入输出电压条件，会存在限制。

外置FET的开关稳压器(升压/升降压控制器)

单输出 升压/升降压控制器

Part No.	Input Voltage Maximum Rating (V)	Input Voltage (V)	Output Voltage (V)	Switching Frequency (MHz)	Circuit Current (μA)	Control Mode	Features: Boost	Buck-Boost	Inverting	Buck	Externally Synchronizable	Adjustable Soft Start	Synchronous Rectifier	Over-Current Protection	Thermal Protection	Package
BD8303MUV	15	2.7 to 14.0	1 to 12	0.2 to 1.0	650	Voltage	–	✓	–	–	–	–	✓	Latch	Recovery	VQFN016V3030
BD9306AFVM	20	4.2 to 18.0	V_{IN} to (V_{IN}/0.3)	0.1 to 0.8	1,500	Voltage	✓	–	–	–	–	–	–	Latch	Recovery	MSOP8
BD9615MUV-LB	62	3.5 to 60.0	V_{IN} to (V_{IN}/0.2)	0.1 to 2.5	2,000	Voltage	✓	–	–	–	✓	✓	–	Recovery	Recovery	VQFN16KV3030

双输出 升压/升降压控制器

Part No.	Input Voltage Maximum Rating (V)	Input Voltage (V)	Output Voltage (V)	Switching Frequency (MHz)	Circuit Current (μA)	Control Mode	Features: Boost	Buck-Boost	Inverting	Buck	Externally Synchronizable	Adjustable Soft Start	Synchronous Rectifier	Over-Current Protection	Thermal Protection	Package
BD9851EFV	20	4 to 18	1 or more	0.01 to 0.3	2,500	Voltage	✓	–	✓	✓	–	✓	–	Latch	Recovery	HTSSOP-B20
BA9743AFV	36	3.6 to 35.0	2.505 or more	0.01 to 0.8	1,600	Voltage	✓	–	✓	✓	–	✓	–	Latch	Recovery	SSOP-B16
BA9744FV	36	2.5 to 35.0	1.222 or more	0.01 to 0.8	3,900	Voltage	✓	–	✓	✓	–	✓	–	Latch	Recovery	SSOP-B16
BA9741F	36	3.6 to 35.0	2.5 or more	0.01 to 0.8	1,600	Voltage	✓	–	✓	✓	–	✓	–	Latch	Recovery	SOP16
BA9741FS	36	3.6 to 35.0	2.5 or more	0.01 to 0.8	1,600	Voltage	✓	–	✓	✓	–	✓	–	Latch	Recovery	SSOP-A16

支持车载的开关稳压器

单输出 初级 FET内置 降压转换器

Part No.	Output FET: Upper (Typ)	Output FET: Bottom (Typ)	Input Voltage Maximum Rating (V)	Output Current (A)	Input Voltage (V)	Output Voltage (V)	Output Voltage Accuracy (%)	Circuit Current (μA)	Switching Frequency (MHz)	Control Mode	Features: Power Good	Sync	Adjustable Soft Start	Synchronous Rectification	Light-Load Efficiency	Over-Voltage Protection	Spread Spectrum	Orerating Temperature (°C)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
Nano BD9V100MUF-C	Nch (600mΩ)	Nch (400mΩ)	70	1	16 to 60	Adj. (0.8 to 5.5)	±2.0	2,500	1.9 to 2.3	Current	✓	–	–	✓	–	✓	–	−40 to +125	VQFN24FV4040	FSs	YES
Nano BD9P105EFV-C	210mΩ	140mΩ	42	1	3.5 to 40.0	Adj. (0.8 to 8.5)	±1.75	10	2.2	Current	✓	✓	–	✓	✓	✓	✓	−40 to +125	HTSSOP-B20	FSs	YES
Nano BD9P105MUF-C	200mΩ	130mΩ	42	1	3.5 to 40.0	Adj. (0.8 to 8.5)	±1.75	10	2.2	Current	✓	✓	–	✓	✓	✓	✓	−40 to +125	VQFN20FV4040	FSs	YES
Nano BD9P108MUF-C	200mΩ	130mΩ	42	1	3.5 to 40.0	Adj. (0.8 to 8.5)	±1.75	10	2.2	Current	✓	✓	–	✓	✓	✓	✓	−40 to +125	VQFN24FV4040	FSs	YES
Nano BD9P135EFV-C	210mΩ	140mΩ	42	1	3.5 to 40.0	3.3	±1.75	10	2.2	Current	✓	✓	–	✓	✓	✓	✓	−40 to +125	HTSSOP-B20	FSs	YES
Nano BD9P135MUF-C	200mΩ	130mΩ	42	1	3.5 to 40.0	3.3	±1.75	10	2.2	Current	✓	✓	–	✓	✓	✓	✓	−40 to +125	VQFN20FV4040	FSs	YES
Nano BD9P155EFV-C	210mΩ	140mΩ	42	1	3.5 to 40.0	5	±1.75	10	2.2	Current	✓	✓	–	✓	✓	✓	✓	−40 to +125	HTSSOP-B20	FSs	YES
Nano BD9P155MUF-C	200mΩ	130mΩ	42	1	3.5 to 40.0	5	±1.75	10	2.2	Current	✓	✓	–	✓	✓	✓	✓	−40 to +125	VQFN20FV4040	FSs	YES
New BD90610UEFJ-C	Pch (160mΩ)	–	42	1.25	3.5 to 36.0	Adj. (0.8 to V_{IN})	±2.0	2,200	0.05 to 0.6	Current	–	✓	–	–	–	–	–	−40 to +125	HTSOP-J8	FSs	YES
BD9G201EFJ-M	Nch (140mΩ)	–	45	1.5	4.5 to 42.0	0.8 to V_{IN}*2	±2.0	1,200	0.3	Current	–	✓	–	–	–	✓	–	−40 to +105	HTSOP-J8ES	FSs	YES
Nano BD8P250MUF-C	Nch (110mΩ)	Nch (110mΩ)	42	2	3.5 to 36.0	5.0	±2.0	8	2.2	Current	✓	–	–	✓	✓	✓	✓	−40 to +125	VQFN24FV4040	FSs	YES
Nano BD9P205EFV-C	150mΩ	100mΩ	42	2	3.5 to 40.0	Adj. (0.8 to 8.5)	±1.75	10	2.2	Current	✓	✓	–	✓	✓	✓	✓	−40 to +125	HTSSOP-B20	FSs	YES
Nano BD9P205MUF-C	140mΩ	90mΩ	42	2	3.5 to 40.0	Adj. (0.8 to 8.5)	±1.75	10	2.2	Current	✓	✓	–	✓	✓	✓	✓	−40 to +125	VQFN20FV4040	FSs	YES
Nano BD9P208MUF-C	140mΩ	90mΩ	42	2	3.5 to 40.0	Adj. (0.8 to 8.5)	±1.75	10	2.2	Current	✓	✓	–	✓	✓	✓	✓	−40 to +125	VQFN24FV4040	FSs	YES
Nano BD9P235EFV-C	150mΩ	100mΩ	42	2	3.5 to 40.0	3.3	±1.75	10	2.2	Current	✓	✓	–	✓	✓	✓	✓	−40 to +125	HTSSOP-B20	FSs	YES
Nano BD9P235MUF-C	140mΩ	90mΩ	42	2	3.5 to 40.0	3.3	±1.75	10	2.2	Current	✓	✓	–	✓	✓	✓	✓	−40 to +125	VQFN20FV4040	FSs	YES
Nano BD9P255EFV-C	150mΩ	100mΩ	42	2	3.5 to 40.0	5	±1.75	10	2.2	Current	✓	✓	–	✓	✓	✓	✓	−40 to +125	HTSSOP-B20	FSs	YES
Nano BD9P255MUF-C	140mΩ	90mΩ	42	2	3.5 to 40.0	5	±1.75	10	2.2	Current	✓	✓	–	✓	✓	✓	✓	−40 to +125	VQFN20FV4040	FSs	YES
Nano BD9P233MUF-C	Pch (190mΩ)	Nch (120mΩ)	42	2	3 to 36	3.3	±2.0	26	0.2 to 2.4	Current	✓	✓	✓	✓	✓	✓	✓	−40 to +125	VQFN32FAV050	FSs	YES
BD99010EFV-M	Pch (170mΩ)	Nch (130mΩ)	42	2	3.5 to 36.0	3.3	±2.0	22	0.2 to 0.5	Current	–	–	–	✓	✓	✓	–	−40 to +105	HTSSOP-B24	FSs	YES
BD99011EFV-M	Pch (170mΩ)	Nch (130mΩ)	42	2	3.5 to 36.0	5.0	±2.0	22	0.2 to 0.5	Current	–	–	–	✓	✓	✓	–	−40 to +105	HTSSOP-B24	FSs	YES
BD9060F-C	Pch (300mΩ)	–	42	2	5 to 35	Adj. (0.8 to V_{IN})	±2.0	3,700	0.05 to 0.5	Voltage	–	✓	–	–	–	–	–	−40 to +125	SOP8	FSs	YES
BD9060HFP-C	Pch (300mΩ)	–	42	2	5 to 35	Adj. (0.8 to V_{IN})	±2.0	3,700	0.05 to 0.5	Voltage	–	✓	–	–	–	–	–	−40 to +125	HRP7	FSs	YES
New BD90620UEFJ-C	Pch (160mΩ)	–	42	2.5	3.5 to 36.0	Adj. (0.8 to V_{IN})	±2.0	2,200	0.05 to 0.6	Current	–	✓	–	–	–	–	–	−40 to +125	HTSOP-J8	FSs	YES
BD90620HFP-C	Pch (160mΩ)	–	42	2.5	3.5 to 36.0	Adj. (0.8 to V_{IN})	±2.0	2,200	0.05 to 0.6	Current	–	✓	–	–	–	–	–	−40 to +125	HRP7	FSs	YES
Nano BD9P305EFV-C	135mΩ	90mΩ	42	3	3.5 to 40.0	Adj. (0.8 to 8.5)	±1.75	10	0.44/2.2	Current	✓	✓	–	✓	✓	✓	✓	−40 to +125	HTSSOP-B20	FSs	YES
Nano BD9P308MUF-C	125mΩ	80mΩ	42	3	3.5 to 40.0	Adj. (0.8 to 8.5)	±1.75	10	0.44/2.2	Current	✓	✓	–	✓	✓	✓	✓	−40 to +125	VQFN24FV4040	FSs	YES
New BD9G401UEFJ-M	Nch (140mΩ)	–	45	3.5	4.5 to 42.0	0.8 to V_{IN}*2	±2.0	1,200	0.3	Current	–	✓	–	–	–	✓	–	−40 to +105	HTSOP-J8ES	FSs	YES
New BD90640UEFJ-C	Pch (160mΩ)	–	42	4	3.5 to 36.0	Adj. (0.8 to V_{IN})	±2.0	2,200	0.05 to 0.6	Current	–	✓	–	–	–	–	–	−40 to +125	HTSOP-J8	FSs	YES
BD90640HFP-C	Pch (160mΩ)	–	42	4	3.5 to 36.0	Adj. (0.8 to V_{IN})	±2.0	2,200	0.05 to 0.6	Current	–	✓	–	–	–	–	–	−40 to +125	HRP7	FSs	YES

*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。
*2 根据输入输出电压条件，会存在限制。

单输出 次级 FET内置 降压转换器

Part No.	Output FET Upper (Typ)	Output FET Bottom (Typ)	Input Voltage Maximum Rating (V)	Output Current (A)	Input Voltage (V)	Output Voltage (V)	Output Voltage Accuracy (%)	Circuit Current (μA)	Switching Frequency (MHz)	Control Mode	QuiCur™ technology	Features: Power Good	Sync	Adjustable Soft Start	Synchronous Rectification	Light-Load Efficiency	Over-Voltage Protection	Output Discharge	Orerating Temperature (°C)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD9S000NUX-C	Pch (270mΩ)	Nch (180mΩ)	7	0.6	2.7 to 5.5	Adj. (0.8 to V_{IN})	±1.5	350	2.2	Current	–	✓	–	✓	✓	–	✓	✓	−40 to +125	VSON008X2020	FSs	YES
BD9SD11NUX-C	Pch (270mΩ)	Nch (180mΩ)	7	0.6	2.7 to 5.5	1.15	±1.5	400	2.2	Current	–	✓	–	✓	✓	–	✓	–	−40 to +125	VSON008X2020	–	YES
BD9S012NUX-C	Pch (270mΩ)	Nch (180mΩ)	7	0.6	2.7 to 5.5	1.1	±1.5	350	2.2	Current	–	✓	–	✓	✓	–	✓	✓	−40 to +125	VSON008X2020	FSs	YES
BD9S100NUX-C	Pch (270mΩ)	Nch (180mΩ)	7	1	2.7 to 5.5	Adj. (0.8 to V_{IN})	±1.5	350	2.2	Current	–	✓	–	✓	✓	–	✓	✓	−40 to +125	VSON008X2020	FSs	YES
BD9S110NUX-C	Pch (270mΩ)	Nch (180mΩ)	7	1	2.7 to 5.5	1.2	±1.5	400	2.2	Current	–	✓	–	✓	✓	–	✓	✓	−40 to +125	VSON008X2020	FSs	YES
BD9S111NUX-C	Pch (270mΩ)	Nch (180mΩ)	7	1	2.7 to 5.5	1.8	±1.5	400	2.2	Current	–	✓	–	✓	✓	–	✓	✓	−40 to +125	VSON008X2020	FSs	YES
New BD9S109NUX-C	Pch (150mΩ)	Nch (95mΩ)	7	1	2.7 to 5.5	Adj. (0.8 to V_{IN})	±1.5	400	2.2	Current	–	✓	–	✓	✓	–	✓	✓	−40 to +125	VSON008X2020	FSs	YES
New BD9S209NUX-C	Pch (150mΩ)	Nch (95mΩ)	7	2	2.7 to 5.5	Adj. (0.8 to V_{IN})	±1.5	400	2.2	Current	–	✓	–	✓	✓	–	✓	✓	−40 to +125	VSON008X2020	FSs	YES
BD9S201NUX-C	Pch (150mΩ)	Nch (95mΩ)	7	2	2.7 to 5.5	Adj. (0.8 to V_{IN})	±1.5	400	2.2	Current	–	✓	–	✓	✓	–	✓	✓	−40 to +125	VSON008X2020	FSs	YES
BD9S231NUX-C	Pch (150mΩ)	Nch (95mΩ)	7	2	2.7 to 5.5	Adj. (0.8 to V_{IN})	±1.5	400	2.2	Current	–	✓	–	✓	✓	–	✓	–	−40 to +125	VSON008X2020	FSs	YES
BD9S200MUF-C	Nch (35mΩ)	Nch (35mΩ)	7	2	2.7 to 5.5	Adj. (0.8 to V_{IN}×0.8)	±1.5	650	2.2	Current	–	✓	✓	✓	✓	✓	✓	–	−40 to +125	VQFN16FV3030	FSs	YES
BD9S300MUF-C	Nch (35mΩ)	Nch (35mΩ)	7	3	2.7 to 5.5	Adj. (0.8 to V_{IN}×0.8)	±1.5	650	2.2	Current	–	✓	✓	✓	✓	✓	✓	–	−40 to +125	VQFN16FV3030	FSs	YES
BD9S400MUF-C	Nch (35mΩ)	Nch (35mΩ)	7	4	2.7 to 5.5	Adj. (0.8 to V_{IN}×0.8)	±1.5	650	2.2	Current	–	✓	✓	✓	✓	✓	✓	–	−40 to +125	VQFN16FV3030	FSs	YES
Nano BD9S402MUF-C	Pch (60mΩ)	Nch (35mΩ)	7	4	2.7 to 5.5	Adj. (0.6 to V_{IN}×0.75)	±1.0	1,800	2.2	Current	✓	✓	–	✓	✓	–	✓	✓	−40 to +125	VQFN16FV3030	FSs	YES

单输出 初级 FET内置 升降压转换器(Quick Buck Booster™)

Part No.	Output FET Upper (Typ)	Output FET Bottom (Typ)	Input Voltage Maximum Rating (V)	Output Current (A)	Input Voltage (V)	Output Voltage (V)	Output Voltage Accuracy (%)	Circuit Current (μA)	Switching Frequency (MHz)	Control Mode	Features: Power Good	Sync	Adjustable Soft Start	Synchronous Rectification	Light-Load Efficiency	Over-Voltage Protection	Spread Spectrum	Orerating Temperature (°C)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD8P250MUF-C + BD90302NUF-C	Nch (110mΩ)	Nch (110mΩ)	42	0.8	2.7 to 36	5.0	±2.0	8	2.2	Current	✓	–	–	✓	✓	✓	✓	−40 to +125	VQFN24FV4040	–+FSs	YES
	Pch (55mΩ)	Nch (65mΩ)	7					65											VSON10FV3030		YES

双输出 初级 FET外置 降压控制器

Part No.	Output FET Upper (Typ)	Output FET Bottom (Typ)	Input Voltage Maximum Rating (V)	Output Current (A)	Input Voltage (V)	Output Voltage (V)	Output Voltage Accuracy (%)	Circuit Current (μA)	Switching Frequency (MHz)	Control Mode	Features: Power Good	Sync	Adjustable Soft Start	Synchronous Rectification	Light-Load Efficiency	Over-Voltage Protection	Spread Spectrum	Orerating Temperature (°C)	Package	Automotive Grade AEC-Q100
BD9015KV-M	Ext. Nch	Ext. Nch	35	–	3.9 to 30.0	Adj. (0.8 to 10)	±1.5	4,000	0.25 to 0.55	Current	✓	✓	✓	✓	–	✓*2	–	−40 to +105	VQFP48C	YES
BD9016KV-M	Ext. Nch	Ext. Nch	35	–	3.9 to 30.0	Adj. (0.8 to 10)	±1.5	4,000	0.25 to 0.55	Current	✓	✓	✓	✓	–	✓*3	–	−40 to +105	VQFP48C	YES

单输出 初级 FET外置 升降压控制器

Part No.	Output FET Upper (Typ)	Output FET Bottom (Typ)	Input Voltage Maximum Rating (V)	Output Current (A)	Input Voltage (V)	Output Voltage (V)	Output Voltage Accuracy (%)	Circuit Current (μA)	Switching Frequency (MHz)	Control Mode	Features: Power Good	Sync	Adjustable Soft Start	Synchronous Rectification	Light-Load Efficiency	Over-Voltage Protection	Spread Spectrum	Orerating Temperature (°C)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD9035AEFV-C	Ext. Pch	Ext. Nch	40	–	3.8 to 30.0	Adj.	±1.5	7,000	0.1 to 0.6	Voltage	✓	✓	✓	–	–	✓	–	−40 to +125	HTSSOP-B24	FSs	YES

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◎QuiCur™ 是ROHM Co., Ltd.的商标或注册商标。
*1 "ComfySIL™功能安全类别"的详情请参阅封二。
*2 过电压检测时下侧FET OFF
*3 过电压检测时下侧FET ON

Nano Nano Pulse Control 标记为采用Nano Pulse Control™技术、Nano Energy™技术或Nano Cap™技术的产品。Nano技术是罗姆充分实现节能和小型化的创新型电源技术。
上述 Nano 标记为采用Nano Energy™超低功耗技术的产品。Nano Pulse Control™、Nano Energy™和Nano Cap™是ROHM Co.,Ltd.的商标或注册商标。

复合电源IC(PMIC)

车载音响用系统电源	P.48	面板用系统电源	P.48
灰度等级电压生成IC	P.49	数码相机/数码摄像机用系统电源	P.49
车载系统电源	P.49	工业设备/消费电子用系统电源	P.50

复合电源IC(PMIC)

车载音响用系统电源

汽车音响用系统电源IC

Part No.	Supply Voltage (V)	Function		Reference Voltage (V)	Output Current (A)	Protection Circuit: Over Current	Protection Circuit: Temperature	Input I/F	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD49101AEFS-M*2/ BD49101ARFS-M*3	5.5 to 25.0	Buck DC-DC1	Controller	0.8	–	Current Limit with Short Current Protection Circuit	✓	I²C	HTSSOP-A44 (EXP-PAD down HTSSOP-A44 package) HTSSOP-A44R (EXP-PAD up HTSSOP-A44R package)	FSs/FSs	YES
		Buck DC-DC2	Low Power Standby REG	0.8	1.0						
		REG1	Secondly	0.6	0.5	Foldback					
		REG2	–	0.8	0.1						
		REG3	Secondly	0.8	0.3						
		REG4	Secondly, Voltage Calibration	0.8	1.5 (Variable)						
		REG5	–	0.8	0.1						
		High Side Switch	–	–	0.5						
		+B Detection Circuit	Over/Under Current Detection	–	–	–					

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*1 "ComfySIL™功能安全类别"的详情请参阅封二。
*2 BD49101AEFS-M：背面散热型HTSSOP-A44封装
*3 BD49101ARFS-M：表面散热型HTSSOP-A44R封装

面板用系统电源

单通道源极电压输出电源IC＋灰阶缓冲放大器

Part No.	Supply Voltage (V)	Operating Temperature (℃)	Operating Frequency (MHz)	Output for Source Voltage (V)	Output for Logic Voltage (V)	Output for Gate Voltage (V)	Start up Sequence Circuit	V COM (ch)	Package
BD8163EFV	2.1 to 6.0	−40 to +125	1.1	up to 18.0	2.5	Variable	✓	–	HTSSOP-B24
BD9862MUV	1.8 to 5.5	−40 to +85	0.7 to 1.4	up to 15.0	–	Variable	✓	–	VQFN024V4040

面向中小型面板的多通道系统电源IC

Part No.	Supply Voltage (V)	Operating Temperature (℃)	Operating Frequency (MHz)	Output for Source Voltage (V)	Output for Logic Voltage 1	Output for Logic Voltage 2	Output for Gate Voltage	Start up Sequence Circuit	V COM (ch)	Package
BD8166EFV	6.0 to 18.0	−40 to +85	0.5	up to 18.0	Variable	–	Variable	✓	1	HTSSOP-B40
BD8165MUV	4.2 to 14.0	−40 to +105	0.65	up to 18.0	Variable	Variable	Variable	✓	1	VQFN048V7070
BM81110MUW	8.6 to 14.7	−40 to +85	0.75/1.0	up to 19.8	Variable	Variable	Variable	✓	–	VQFN40W6060A

车载面板用系统电源IC

Part No.	Supply Voltage (V)	Operating Temperature (℃)	Operating Frequency (MHz)	Output for Source Voltage1 (V)	Output for Source Voltage2 (V)	Output for Logic Voltage (V)	Output for Gate Voltage (V)	Start up Sequence Circuit	V COM (ch)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD81842MUV-M	2.0 to 5.5	−40 to +105	2.1	up to 18.0	–	–	Variable	✓	1	VQFN24SV4040	FSs	YES
BM81810MUV-M	2.6 to 5.5	−40 to +105	0.525/1.05/2.1	5.0 to 17.0 0.1V step	–	0.9 to 3.4 50mV step	8.0 to 35.0 0.2V step/ −14.0 to −4.0 0.1V step	✓	1	VQFN32SV5050	FSs	YES
BM81810MUF-M*2										VQFN32FBV050	FSs	
BD81870EFV-M	2.5 to 5.5	−40 to +105	2.1	up to 18.0	V_{DD}−13.0 to −1.0	–	–	✓	–	HTSSOP-B20	FSs	YES

◎ComfySIL™是ROHM Co., Ltd.的商标或注册商标。
*1 "ComfySIL™功能安全类别"的详情请参阅封二。
*2 BM81810MUF-M与BM81810MUV-M的区别在于BM81810MUF-M支持Wettable flank。

灰度等级电压生成IC

内置DAC的高精度灰度电压生成IC

Part No.	Supply Voltage (V)		Operating Temperature (°C)	Clock Frequency (MHz)	DAC (bit)	Serial I/F	Auto Data Read	V COM (ch)	Buffer for Gamma (ch)	Package
	Gamma Collection Input	Logic								
BD8149MUV	10 to 18	2.1 to 3.6	−25 to +85	0.4	10	I²C BUS	Built-in	—	12	VQFN032V5050

车载面板用内置DAC的高精度灰度电压生成IC

Part No.	Supply Voltage (V)		Operating Temperature (°C)	Clock Frequency (MHz)	DAC (bit)	Serial I/F	Auto Data Read	V COM (ch)	Buffer for Gamma (ch)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
	Gamma Collection Input	Logic										
BD81849MUV-C	10 to 18	2.1 to 3.6	−40 to +105	0.4	10	I²C BUS	Built-in	—	12	VQFN32SV5050	FSs	YES

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*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

数码相机/数码摄像机用系统电源

FET内置型(5V耐压)系统开关稳压器IC

Part No.	ch	Operating Frequency (MHz)	Supply Voltage (V)	Reference Voltage (V)	Reference Voltage Precision (%)	Topology					Built-in FET (ch)	Synchronous Rectifier (ch)	Load Switch (ch)	Package
						Step up (ch)	Step Down (ch)	Step up/down (ch)	Inverting (ch)	Buck-Boost (ch)				
BD9355MWV	7	2.0/1.0	1.5 to 5.5	0.8	±1.25	3	2	—	1	1	7	3	1	UQFN036V5050
				1.0	±1.0									

数码摄像机/数码单反相机用系统开关稳压器IC

Part No.	ch	Operating Frequency (MHz)	Supply Voltage (V)	Reference Voltage (V)	Reference Voltage Precision (%)	Step up (ch)	Step Down (ch)	Buck-Boost (ch)	Inverting/ Stepdown (ch)	Built-in FET (ch)	Synchronous Rectifier (ch)	Load Switch (ch)	Package (mm)
BD9865MWV	4	0.6 to 1.5	4 to 14	1.0	±1.0	—	2	1	1	4	3	—	UQFN040V5050
				0.8	±1.25								
BD9866GUL	4	0.6 to 1.5	4 to 14	0.6	±1.66	—	3	1	—	4	4	—	VCSP50L3 3.75×3.75, H=Max 0.55
				0.8	±1.25								

闪光灯充电控制IC

Part No.	Supply Voltage (V_{CC}) (V)	Peak Current (A)	Full Charge Detection Voltage (V)	100nsec pulse AC Full Charge Detection Voltage (V)	Full Terminal Output	Power Transistor Saturation Voltage I_{SW}=1A (V)	IGBTOUTN (mA)	IGBTOUTP (mA)	Package
BD4233NUX	2.5 to 5.5	0.5 to 2.0	1±1.1%	1.0−1.1% to ±1.6%	Nch Open drain	0.4	60	140	VSON010X3020
BD4234NUX	2.5 to 5.5	0.5 to 2.0	1±1.1%	1.0−1.1% to ±1.6%	Nch Open drain	0.4	30	140	VSON010X3020

车载系统电源

2ch 车载系统电源

Part No.	Supply Voltage (V)	Operating Frequency (kHz)	Operating Temperature (°C)	Sequence	Output Voltage Precision (%)	Output		Function					Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
						ch	V_{OUT}/Max I_{OUT}	Over Current Protection	TSD	Under/Over Voltage Detection	Reset	WDT			
BD39012EFV-C	4 to 36 (Rating 45V)	200 to 600	−40 to +125	External Control EN1: DC-DC EN2: LDO	±2	1ch (DC-DC)	Synchronous Buck DC-DC Converter (V_{OUT} variable, 1A)	✓	✓	✓	—	WINDOW WDT	HTSSOP-B24	FSs	YES
						2ch (LDO)	LDO (5V, 0.4A)				✓				

3ch 车载系统电源(ADAS用)

Part No.	Supply Voltage (V)	Switching Frequency (MHz)	Operating Temperature (°C)	Output Voltage Precision (%)	DC-DC Output				Function			Protection Circuit	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
					Item	DC-DC1 Buck	DC-DC2 Buck	DC-DC3 Buck	Reset	Power Good	External LDO CTRL				
BD86852MUF-C	4 to 18	2.2	−40 to +125	2	Output Voltege (V)	3.3 or 3.9	1.1 or 1.2	1.8	✓	✓	✓	OVP OCP UVLO TSD	VQFN24FV4040	FSs	YES
					Output Current (A)	2	1	1							

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*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

车载系统电源

4ch 车载系统电源(ADAS用)

Part No.	Supply Voltage (V)	Switching Frequency (MHz)	Operating Temperature (°C)	Output Voltage Precision (%)	DC-DC Output Item	DC-DC1 Buck	DC-DC2 Buck	DC-DC3 Buck	DC-DC4 Boost	Reset	WDT	Protection Circuit	Package	Automotive Grade AEC-Q100
BD39031MUF-C	4 to 28	2.2	−40 to +125	±1.5 (DC-DC4 ±2.0)	Output Voltage (V)	3.3	1.2	0.8 to 2.5	5	✓	WINDOW WDT	OVP, OCP, SCP, TSD, T-Warning	VQFN40FV6060	YES
					Output Current (A)	Ext.FET	2.5	2.5	0.5					

通用车载系统电源(支持Renesas [R-Car] SoC系列)

Part No.	Supply Voltage (V)	Switching Frequency (MHz)	Output Voltage Precision (%)	Item	DC-DC Output DC-DC1 Boost	DC-DC2 Buck	DC-DC3 Buck	DC-DC4 Buck	LDO	DC (SW)	Reset	WDT	Monitoring Function	Protection Circuit	Operating Temperature (°C)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD9573MUF-M	3 to 3.6	2.25	±1.8	Output Voltage (V)	5	1.8	1.35 or 1.5	1.03	2.5	VIN7	✓	WINDOW WDT	–	UVLO, SCP, OCP, OVP, UVP, TSD	−40 to +105	VQFN56FV8080	FSs	YES
				Output Current (A)	0.2	1	2	5.2	0.15	0.3								
BD9576MUF-C	3 to 3.6	2.25	±1.8	Output Voltage (V)	5	1.8	1.35 or 1.5	1.03	2.5	VIN7	✓	WINDOW WDT	OVD/UVD TW	UVLO, SCP, OCP, OVP, UVP, TSD	−40 to +125	VQFN56FV8080	FSm	YES
				Output Current (A)	0.2	1	2	5.2	0.15	0.3								

车载摄像头用PMIC

Part No.	Supply Voltage (V)	Switching Frequency (MHz)	Item	DC-DC Output CH1	CH2	CH3	LDO CH4	Operating Temperature (°C)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
New BD868A0MUF-C	4 to 18	2.25	Output Voltage (V)	3.7V	1.1V	1.8V	3.3V	−40 to +125	VQFN20FV3535	FSp	YES
			Output Current (A)	2.0A	1.2A	1.0A	0.3A				
☆BD868B0MUF-C			Output Voltage (V)	3.7V	1.1V	1.8V	3.3V		VQFN20FV3535	FSp	YES
			Output Current (A)	2.0A	1.2A	0.4A	0.3A				
New BD868C0MUF-C			Output Voltage (V)	3.3V	1.2V	1.8V	2.8V		VQFN20FV3535	FSp	YES
			Output Current (A)	2.0A	1.2A	1.0A	0.3A				
New BD868C1MUF-C			Output Voltage (V)	3.8V	1.1V	1.8V	3.3V		VQFN20FV3535	FSs	YES
			Output Current (A)	2.0A	1.2A	1.0A	0.3A				
New BD868D0MUF-C			Output Voltage (V)	3.3V	1.2V	1.8V	2.8V		VQFN20FV3535	FSp	YES
			Output Current (A)	2.0A	1.2A	1.0A	0.3A				

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*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

☆: 开发中

工业设备/消费电子用系统电源

Intel® Atom™ E3800系列平台用电源管理IC

Part No.	Supply Voltage (V)	Item	DC-DC Output DC-DC1 V1P0A	DC-DC2 V1P0S	DC-DC3 V1P8A	DC-DC4 VDDQ	DC-DC5 V1P05S	DC-DC6 VCC	DC-DC7 VNN	SW V1P8S	LDO output LDO1 VRTC	LDO2 V3P3A	LDO3 V3P3S	LDO4 V1P24A	LDO5 VSDIO	LDO6 V1P24S	LDO7 VTT	LDO8 VSFR	I/F	Protection Circuit	Package (mm)
BD9596BMWV	3.5 to 5.5	Output Voltage (V)	1.0	1.0	1.8	1.2 to 1.6	1.05	0.5 to 1.2	0.5 to 1.2	1.8	3.3	3.3	3.3	1.24	1.8 or 3.3	1.24	VDDQ/2	1.35	IMVP7	UVLO, TSD, SCP, OVP	UQFN88MV0100 10×10×1.0
		Output Current (mA)	700	2,600	1,800	4,500	1,300	13,000	13,000	800	120	100	500	50	20	50	530	500			

NXP "i.MX应用处理器系列" 用电源管理IC

Part No.	Correspondance	Item	DC-DC Output BUCK1	BUCK2	BUCK3	BUCK4	BUCK5	BUCK6	BUCK7	BUCK8	LDO Output LDO1	LDO2	LDO3	LDO4	LDO5	LDO6	LDO7	LDOSNVS	LDOLPSR	LDODVREF	White LED Driver	Lithiumion Charging Control	Coulomb Counter	RTC	GPO (ch)	I²C I/F	Package
BD71815AGW	i.MX 7Solo i.MX 7Dual	Output Voltage (V)	0.8 to 2.0	0.8 to 2.0	1.2 to 2.7	1.10 to 1.85	1.8 to 3.3	–	–	–	0.8 to 3.3	0.8 to 3.3	0.8 to 3.3	0.8 to 3.3	0.8 to 3.3	–	–	3	1.8	0.5x DVREFIN	✓	✓	✓	✓	1	✓	UCSP55M4C
		Output Current (mA)	800	1,000	500	1,000	1,000				100	100	50	400	250			25	100	10							
BD71837AMWV	System PMIC for i.MX 8M Family	Output Voltage (V)	0.7 to 1.3	0.7 to 1.3	0.7 to 1.3	0.7 to 1.3	0.7 to 1.35	3.0 to 3.3	1.605 to 1.995	0.8 to 1.4	3.0 to 3.3, 1.6 to 1.9	0.9, 0.8	1.8 to 3.3	0.9 to 1.8	1.8 to 3.3	0.9 to 1.8	1.8 to 3.3	–	–	–	–	–	–	–	–	✓	UQFN68CV8080
		Output Current (mA)	3,600	4,000	2,100	1,000	2,500	3,000	1,500	3,000	10	10	300	250	300	300	150										
BD71847AMWV	System PMIC for i.MX 8M Mini Family	Output Voltage (V)	0.7 to 1.3	0.7 to 1.3	–	–	0.7 to 1.35	2.6 to 3.3	1.605 to 1.995	0.8 to 1.4	3.0 to 3.3, 1.6 to 1.9	0.9, 0.8	1.8 to 3.3	0.9 to 1.8	0.8 to 3.3	0.9 to 1.8	–	–	–	–	–	–	–	–	–	✓	UQFN56BV7070
		Output Current (mA)	3,000	3,000			3,000	3,000	1,500	3,000	10	10	300	250	300	300											
BD71850MWV	System PMIC for i.MX 8M Nano Family	Output Voltage (V)	0.7 to 1.3	0.7 to 1.3	–	–	0.7 to 1.35	2.6 to 3.3	1.605 to 1.995	0.8 to 1.4	3.0 to 3.3, 1.6 to 1.9	0.9, 0.8	1.8 to 3.3	0.9 to 1.8	0.8 to 3.3	0.9 to 1.8	–	–	–	–	–	–	–	–	–	✓	UQFN56BV7070
		Output Current (mA)	3,000	3,000			3,000	3,000	1,500	3,000	10	10	300	250	300	300											

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非绝缘型 AC-DC转换器

表面贴装SOP封装 内置650V耐压FET

Part No.	Output Voltage (V)	MOSFET V_{DS} (Max) (V)	Control Method	Switching Frequency (kHz)	Frequency reduction function	Max Duty (%)	ON Resistance (Ω)	OCP Current (A)	Dynamic Over Current Protection (A)	Start-up Current (mA)	Package
BM2P109TF	10.0	650	PWM	100	✓	75	9.5	0.45	1.4	3	SOP8
BM2P104QF					–		4.0	0.80	1.6		SOP8
BM2P129TF	12.0				✓		9.5	0.45	1.4		SOP8
BM2P139TF	13.0										SOP8
BM2P135TF							4.5				SOP8
BM2P134QF					–		4.0	0.80	1.6		SOP8
BM2P159PF	14.2				✓		9.5	0.30	0.95		SOP8
BM2P159T1F	15.0							0.45	1.4		SOP8
BM2P189TF	18.0										SOP8
BM2P209TF	20.0										SOP8
BM2P249TF	24.8										SOP8

表面贴装SOP封装 内置800V耐压FET

Part No.	Output Voltage (V)	MOSFET V_{DS} (Max) (V)	Control Method	Switching Frequency (kHz)	Frequency reduction function	Max Duty (%)	ON Resistance (Ω)	OCP Current (A)	Dynamic Over Current Protection (A)	Start-up Current (mA)	Package
BM2P107QKF	10.0	800	PWM	100	–	75	7.5	0.80	1.6	3	SOP8
BM2P137TKF	13.0				✓			0.45	1.4		SOP8
BM2P137QKF					–			0.80	1.6		SOP8

高散热DIP封装 内置650V耐压FET

Part No.	Output Voltage (V)	MOSFET V_{DS} (Max) (V)	Control Method	Switching Frequency (kHz)	Frequency Reduction Mode	Max Duty (%)	ON Resistance (Ω)	OCP Current (A)	Dynamic Over Current Protection (A)	Start-up Current (mA)	Package
New BM2PAA1Y-Z	2.0	650	PWM	65	✓	40	1.5	1.76	1.76	3	DIP7K
New BM2PAB1Y-Z				25	–			1.76	1.76		DIP7K
New BM2PDA1Y-Z				65	✓			0.88	0.93		DIP7K
New BM2PDB1Y-Z				25	–			0.88	0.93		DIP7K
BM2P101W-Z	10.0			65	✓			1.46	2.55		DIP7K
BM2P101X-Z								2.00	3.5		DIP7K
BM2P104Q-Z				100	–	75	4.0	0.80	1.6		DIP7K
BM2P121W-Z	12.0			65	✓	40	1.5	1.46	2.55		DIP7K
BM2P121X-Z								2.00	3.5		DIP7K
BM2P121XH-Z*								2.00	3.5		DIP7K
BM2P131W-Z	13.0							1.46	2.55		DIP7K
BM2P131X-Z								2.00	3.5		DIP7K
BM2P134Q-Z				100	–	75	4.0	0.80	1.6		DIP7K
BM2P141W-Z	14.0			65	✓	40	1.5	1.46	2.55		DIP7K
BM2P141X-Z								2.00	3.5		DIP7K
BM2P151W-Z	15.0							1.46	2.55		DIP7K
BM2P151X-Z								2.00	3.5		DIP7K
BM2P151S-Z								2.30	4.025		DIP7K
BM2P161W-Z	16.8						1.9	1.46	4.015		DIP7K
BM2P161X-Z							1.5	2.00	3.5		DIP7K
BM2P181W-Z	18.0							1.46	2.55		DIP7K
BM2P181X-Z								2.00	3.5		DIP7K
BM2P201W-Z	20.0							1.46	2.55		DIP7K
BM2P201X-Z								2.00	3.5		DIP7K
BM2P241W-Z	24.8			65	✓	40		1.46	2.55		DIP7K
BM2P241X-Z								2.00	3.5		DIP7K
BM2P249Q-Z				100	–		9.5	0.80	2.2		DIP7K

高散热DIP封装 内置800V耐压FET

Part No.	Output Voltage (V)	MOSFET V_{DS} (Max) (V)	Control Method	Switching Frequency (kHz)	Frequency Reduction Mode	Max Duty (%)	ON Resistance (Ω)	OCP Current (A)	Dynamic Over Current Protection (A)	Start-up Current (mA)	Package
BM2P107QK-Z	10.0	800	PWM	100	–	75	7.5	0.80	1.6	3	DIP7K
BM2P137QK-Z	13.0										DIP7K

*TSD温度变更

绝缘/非绝缘型 AC-DC转换器

表面贴装SOP封装 内置730V耐压FET

Part No.	Output Voltage (V)	MOSFET V_{DS} (Max) (V)	Control Method	Switching Frequency (kHz)	Frequency Reduction Mode	Max Duty (%)	ON Resistance (Ω)	Peak Current (A)	Dynamic Over Current Protection (V)	OCP Current (V)	Current Sense Resistor	Start-up Current (mA)	Brown Out	Brown Out OVP Protection	V_{CC} OVP	Package
BM2P0363F	8.9 to 26.0	730	PWM	25	–	75	3.0	4.0	0.7	0.4	Extrenal	3.0	–	–	Auto Restart	SOP8
BM2P064EF				65	✓				1.05				✓			SOP8
BM2P104EF				100						0.3						SOP8
BM2P134EF				130												SOP8
New BM2P060LF-Z	11 to 60			65			0.7	21.0	✓	✓		15			–	SOP20A
New BM2P061LF-Z							1.0	12.0								SOP20A
BM2P060MF-Z							0.7	21.0								SOP20A
BM2P061MF-Z							1.0	12.0								SOP20A
BM2P063MF-Z							3.0	4.0								SOP20A

表面贴装SOP封装 内置800V耐压FET

Part No.	Output Voltage (V)	MOSFET V_{DS} (Max) (V)	Control Method	Switching Frequency (kHz)	Frequency Reduction Mode	Max Duty (%)	ON Resistance (Ω)	Peak Current (A)	Dynamic Over Current Protection (V)	OCP Current (V)	Current Sense Resistor	Start-up Current (mA)	Brown Out	Brown Out OVP Protection	V_{CC} OVP	Package
BM2P0363KF	8.9 to 26.0	800	PWM	25	–	75	3.0	–	0.7	0.4	Extrenal	3.0	–	–	Auto Restart	SOP8
BM2P074KF	10.2 to 26.0			65	✓		6.7	2.0	–							SOP8

高散热DIP封装 内置650V耐压FET

Part No.	Output Voltage (V)	MOSFET V_{DS} (Max) (V)	Control Method	Switching Frequency (kHz)	Frequency Reduction Mode	Max Duty (%)	ON Resistance (Ω)	Peak Current (A)	Dynamic Over Current Protection (V)	OCP Current (V)	Current Sense Resistor	Start-up Current (mA)	Brown Out	Brown Out OVP Protection	V_{CC} OVP	Package
BM2P0391	8.9 to 26.0	650	PWM	100	✓	75	2.4	5.2	–	0.4	Extrenal	6	✓ (adjustable)	–	Auto Restart	DIP7K

绝缘/非绝缘型　AC-DC转换器

高散热DIP封装 内置730V耐压FET

Part No.	Output Voltage (V)	MOSFET V_{DS} (Max) (V)	Control Method	Switching Frequency (kHz)	Frequency Reduction Mode	Max Duty (%)	ON Resistance (Ω)	Peak Current (A)	Dynamic Over Current Protection (V)	OCP Current (V)	Current Sense Resistor	Start-up Current (mA)	Brown Out	Brown Out OVP Protection	V_{CC} OVP	Package
BM2P061E-Z	8.9 to 26.0	730	PWM	65	✓	75	0.955	12.0	1.0	0.4	Extrenal	5.5	✓ (adjustable)	–	Auto Restart	DIP7AK
BM2P061H-Z	10.9 to 30.0													Auto Restart		DIP7AK
BM2P0151-Z	8.9 to 26.0						1.0		–			3.0	–	–	Latch	DIP7K
BM2P0161-Z															Auto Restart	DIP7K
BM2P0361-Z							3.0	4.0								DIP7K
BM2P0362-Z								–								DIP7K
BM2P064E-Z								4.0	1.0			5.5	✓ (adjustable)			DIP7AK
BM2P101E-Z				100			0.955	12.0		0.3						DIP7AK
BM2P101H-Z	10.9 to 30.0													Auto Restart		DIP7AK
New BM2P10A1J-Z	8.9 to 26.0					80	1.0		1.23	0.78		3.0				DIP7K
New BM2P10A3J-Z							3.0	4.0								DIP7K
New BM2P10B1J-Z							1.0	12.0								DIP7K
New BM2P10B3J-Z							3.0	4.0								DIP7K
BM2P104E-Z						75			1.0	0.3		5.5		–		DIP7AK
BM2P131E-Z				130			0.955	12.0								DIP7AK
BM2P131H-Z	10.9 to 30.0													Auto Restart		DIP7AK
BM2P134E-Z	8.9 to 26.0						3.0	4.0						–		DIP7AK

高散热DIP封装 内置800V耐压FET

Part No.	Output Voltage (V)	MOSFET V_{DS} (Max) (V)	Control Method	Switching Frequency (kHz)	Frequency Reduction Mode	Max Duty (%)	ON Resistance (Ω)	Peak Current (A)	Dynamic Over Current Protection	OCP Current (V)	Current Sense Resistor	Start-up Current (mA)	Brown Out	Brown Out OVP Protection	V_{CC} OVP	Package
BM2P0161K-Z	8.9 to 26.0	800	PWM	65	✓	75	1.6	9.0	–	0.4V	Extrenal	3.0	–	–	Auto Restart	DIP7K
BM2P0361K-Z							3.5	4.8								DIP7K
BM2P061EK-LBZ	10.9 to 30.0						1.6	20.0	1V			5.5	✓ (adjustable)			DIP7AK
BM2P061FK-LBZ								9.0								DIP7AK
BM2P061HK-LBZ														Auto Restart		DIP7AK
BM2P063EK-LBZ							3.5	4.8	1.05V				✓	–		DIP7AK
BM2P101EK-LBZ				100			1.6	20.0	1V	0.3V			✓ (adjustable)			DIP7AK
BM2P101FK-LBZ								9.0								DIP7AK
BM2P101HK-LBZ														Auto Restart		DIP7AK
BM2P103EK-LBZ							3.5	4.8	1.05V	0.4V			✓	–		DIP7AK
BM2P131FK-LBZ	10.9 to 26.0			130			1.6	9.0	1V	0.3V			✓ (adjustable)			DIP7AK
BM2P131HK-LBZ	10.9 to 30.0													Auto Restart		DIP7AK
BM2P133EK-LBZ	10.9 to 26.0						3.5	4.8	1.05V	0.4V			✓	–		DIP7AK
BM2P26CK-Z	11.9 to 25.5			100			6.0	3.0	Current Limiter×2A	0.13A	Built-in		✓ (fixed)		Latch	DIP7K

大功率TO220封装 内置650V耐压FET

Part No.	Output Voltage (V)	MOSFET V_{DS} (Max) (V)	Control Method	Switching Frequency (kHz)	Frequency Reduction Mode	Max Duty (%)	ON Resistance (Ω)	Peak Current (A)	Dynamic Over Current Protection (A)	OCP Current (V)	Current Sense Resistor	Start-up Current (mA)	Brown Out	Brown Out OVP Protection	V_{CC} OVP	Package
BM2P0163T-Z	8.9 to 26.0	650	PWM	65	✓	75	1.4	10.4	–	0.4	Extrenal	5.0	–	–	Auto Restart	TO220-7M

绝缘型　AC-DC转换器IC

内置FET　AC-DC转换器IC

表面贴装SOP封装 内置650V耐压FET

Part No.	Output Voltage (V)	MOSFET V_{DS} (Max) (V)	Control Method	Switching Frequency (kHz)	Frequency Reduction Mode	Max Duty (%)	ON Resistance (Ω)	Peak Current (A)	Dynamic Over Current Protection (A)	Overcurrent Limiter (V)	Current Sense Resistor	Start-up Current (mA)	Brown Out	Brown Out OVP Protection	V_{CC} OVP	Burst Frequency Adjustment	Package
BM2P051F	8.9 to 26.0	650	PWM	65	✓	75	4.0	2.6	–	0.4	Extrenal	3.0	✓ (adjustable)	Auto Restart	Latch	–	SOP8
BM2P052F															Auto Restart	–	SOP8
BM2P053F													–	–	Latch	–	SOP8
BM2P054F															Auto Restart	–	SOP8
BM2P091F							8.5	1.3					✓ (adjustable)	Auto Restart	Latch	–	SOP8
BM2P092F															Auto Restart	–	SOP8
BM2P093F													–	–	Latch	–	SOP8
BM2P094F															Auto Restart	–	SOP8
BM2P095F															Latch	✓	SOP8
BM2PA96F					–										Auto Restart	✓	SOP8

高散热DIP封装 内置650V耐压FET

Part No.	Output Voltage (V)	MOSFET V_{DS} (Max) (V)	Control Method	Switching Frequency (kHz)	Frequency Reduction Mode	Max Duty (%)	ON Resistance (Ω)	Peak Current (A)	Dynamic Over Current Protection (A)	Overcurrent Limiter (V)	Current Sense Resistor	Start-up Current (mA)	Brown Out	Brown Out OVP Protection	V_{CC} OVP	Package
BM2P011	8.9 to 26.0	650	PWM	65	✓	75	1.4	10.4	–	0.4	Extrenal	3	✓ (adjustable)	Auto Restart	Latch	DIP7K
BM2P012															Auto Restart	DIP7K
BM2P013													–	–	Latch	DIP7K
BM2P014															Auto Restart	DIP7K
BM2P031							2.4	5.2					✓ (adjustable)	Auto Restart	Latch	DIP7K
BM2P032															Auto Restart	DIP7K
BM2P033													–	–	Latch	DIP7K
BM2P034															Auto Restart	DIP7K
BM2P051							4.0	2.6					✓ (adjustable)	Auto Restart	Latch	DIP7K
BM2P052															Auto Restart	DIP7K
BM2P053													–	–	Latch	DIP7K
BM2P054															Auto Restart	DIP7K
BM2P091							8.5	1.3					✓ (adjustable)	Auto Restart	Latch	DIP7K
BM2P092															Auto Restart	DIP7K
BM2P093													–	–	Latch	DIP7K
BM2P094															Auto Restart	DIP7K

内置SiC MOSFET的　AC-DC转换器IC

大功率TO220封装 内置1,700V耐压SiC MOSFET

Part No.	Output Voltage (V)	SiC MOSFET V_{DS} (Max) (V)	Control Method	Maximum Frequency (kHz)	ON Resistance (Ω)	Dynamic Over Current Protection (A)	OCP Exchange Function	V_{CC} OVP	BR UVLO	FB OLP Protection	ZT OVF Protection	Package
BM2SCQ121T-LBZ	15 to 27.5	1,700	QR	120	1.12	–	✓	Latch	–	Auto Restart	Latch	TO220-6M
BM2SCQ122T-LBZ										Latch		TO220-6M
BM2SCQ123T-LBZ								Auto Restart		Auto Restart		TO220-6M
BM2SCQ124T-LBZ										Latch		TO220-6M

大功率TO263封装 内置1,700V耐压SiC MOSFET

Part No.	Output Voltage (V)	SiC MOSFET V_{DS} (Max) (V)	Control Method	Maximum Frequency (kHz)	ON Resistance (Ω)	Dynamic Over Current Protection (A)	OCP Exchange Function	V_{CC} OVP	BR UVLO	FB OLP Protection	ZT OVF Protection	Package
BM2SC121FP2-LBZ	15 to 27.5	1,700	QR	120	1.12	–	✓	Latch	–	Auto Restart	Latch	TO263-7L
BM2SC122FP2-LBZ										Latch		TO263-7L
BM2SC123FP2-LBZ								Auto Restart		Auto Restart		TO263-7L
BM2SC124FP2-LBZ										Latch		TO263-7L

绝缘型　FET外置　AC-DC控制器IC

PWM控制型

Part No.	Output Voltage (V)	Control Method	Switching Frequency (kHz)	START-UP Circuit	Frequency Reduction Mode	Max Duty (%)	AC Voltage Correction	V_{CC} Recharge	Start-up Current (mA)	BR UVLO	V_{CC} OVP	FBOLP	Package
BM1P061FJ	8.9 to 26.0	PWM	65	✓	✓	75	✓	✓	3.0	✓	Auto Restart	Auto Restart	SOP-J8
BM1P062FJ											Latch		SOP-J8
BM1P065FJ								–			Auto Restart		SOP-J8
BM1P066FJ											Latch		SOP-J8
BM1P067FJ										–	Auto Restart		SOP-J8
BM1P068FJ											Latch		SOP-J8
BM1P101FJ			100					✓		✓	Auto Restart		SOP-J8
BM1P102FJ											Latch		SOP-J8
BM1P105FJ								–			Auto Restart		SOP-J8
BM1P107FJ										–			SOP-J8
BM1P10CFJ	9.3 to 55.0							✓	5.5	✓	–	Latch	SOP-J7S
BD7672BG	8.5 to 25.0		65	–	–		–	–	–	–	Latch	Auto Restart	SSOP6
BD7673AG												Latch	SSOP6
BD7679G											Auto Restart	Auto Restart	SSOP6

QR控制型

Part No.	Output Voltage (V)	Control Method	START-UP Circuit	Start-up Current (mA)	Maximum Frequency (kHz)	Frequency Reduction Mode	AC Voltage Correction	FB OLP Protection	V_{CC} OVP	ZT OVP	Package
BM1Q002FJ	8.9 to 26.0	QR	✓	3.0	120	✓	✓	Auto Restart	Latch	Latch	SOP-J8
BM1Q011FJ									Auto Restart	–	SOP-J7S
BM1Q021FJ										Auto Restart	SOP-J8
BM1Q104FJ	14.0 to 30.0				–		–		–	Latch	SOP-J8

QR控制型 支持SiC驱动(工业设备用)

Part No.	Output Voltage (V)	Control Method	START-UP Circuit	Start-up Current (mA)	Maximum Frequency (kHz)	Frequency Reduction Mode	AC Voltage Correction	FB OLP Protection	V_{CC} OVP	ZT OVP	Package
BD7682FJ-LB	15.0 to 27.5	QR	–	–	120	✓	✓	Auto Restart	Latch	Latch	SOP-J8
BD7683FJ-LB								Latch			SOP-J8
BD7684FJ-LB								Auto Restart	Auto Restart		SOP-J8
BD7685FJ-LB								Latch			SOP-J8

QR控制型＋PFC内置型

Part No.	Output Voltage (V)	Control Method	START-UP Circuit	Start-up Current (mA)	QR Maximum Frequency (kHz)	PFC Maximum Frequency (kHz)	QR Frequency Reduction	PFC Frequency Reduction	PFC Output Voltage Switching	BR UVLO	V_{CC} OVP	ZT OVP	Package
BM1C101F	8.9 to 26.0	PFC+QR	✓	6.5	120	400	✓	✓	✓	✓	Auto Restart	Latch	SOP18
BM1C102F									–				SOP18

BCM型　PFC控制器IC

单级PFC

Part No.	Output Voltage (V)	Control Method	START-UP Circuit	Zero Detection Method	OVP Detection	PFC Maximum Frequency (kHz)	Over Shoot Reduction Function	Brown Out	V_{CC} Discharge	Package
BD7690FJ	10.0 to 26.0	BCMPFC	–	Auxiliary Winding	Single	220	–	–	–	SOP-J8
BD7691FJ				Resistance	Double					SOP-J8
BD7692FJ						450	✓			SOP-J8
BD7693FJ	10.0 to 38.0			Auxiliary Winding	Single	–			✓	SOP-J8
BD7694FJ								✓		SOP-J8

AC电压过零检测IC

AC电压过零检测IC

Part No.	Output Voltage (V)	Maximum AC Input Voltage (V)	DC Voltage Monitor Function	Zero Cross Delay Time (μs)	Output Waveform	Stand by Current (μA)	Quiescent Current (μ)	Output Type	Protection Circuit	Operating Temperature (˚C)	Package
BM1Z012FJ	10 to 28	600	–	Variable	Pulse	50	160	Nch Open Drain	TSD/UVLO	–40 to +105	SOP-J7S
BM1Z001FJ				300 to 500							SOP-J7S
BM1Z002FJ				Variable							SOP-J7S
BM1Z003FJ					Edge						SOP-J7S
BM1Z101FJ			✓	300 to 500	Pulse						SOP-J11
BM1Z102FJ				Variable							SOP-J11
BM1Z103FJ					Edge						SOP-J11

二次侧同步整流IC

二次侧同步整流IC

Part No.	Output Voltage (V)	Control Method	Shunt Regulator Accuracy (%)	Drain Terminal Maximum Voltage (V)	Compulsion OFF Time (μs)	V_{CC} OVP	Auto Sleep Function	CCM Mode	Package
BM1R00146F	2.7 to 32.0	SR	±0.5	120	1.3	Auto Restart	✓	✓	SOP8
BM1R00147F					2.0				SOP8
BM1R00148F					3.0				SOP8
BM1R00149F					3.6				SOP8
BM1R00150F					4.6				SOP8
BM1R00178F					3.0		–		SOP8
BD87007FJ			±1.0		3.85				SOP-J8
BD85506F	5.0 to 32.0	SR for LLC			–		✓	–	SOP14

绝缘型DC-DC转换器IC

绝缘型DC-DC转换器IC(无需光电耦合器)(工业设备用)

Part No.	Output Power	SW Terminal Withstand Voltage (V)	Over-Current Detection Current (A)	Input Voltage (V)	Switching Frequency (kHz)	Control Method	Features: Enable	Features: Soft Start	Features: Light-Load Efficiency	Features: UVLO	Features: Over-Current Protection	Features: Thermal Protection	Package
BD7F100EFJ-LB	1W at V_{IN} 5.0V 5W at V_{IN} 24V	60	1.25	3.0 to 40.0	400	Adaptive on-time	✓	✓	✓	✓	Recovery	Recovery	HTSOP-J8
BD7F100HFN-LB													HSON8
BD7F200EFJ-LB	5W at V_{IN} 12V 10W at V_{IN} 24V	60	2.75	8.0 to 40.0									HTSOP-J8
BD7F200HFN-LB													HSON8
New BD7J101EFJ-LB	2.5W at V_{IN} 24V 5W at V_{IN} 48V	120	0.9	8.0 to 80.0									HTSOP-J8
New BD7J101HFN-LB													HSON8
BD7J201EFJ-LB	5W at V_{IN} 24V 10W at V_{IN} 48V	120	1.8	8.0 to 80.0									HTSOP-J8
☆BD7J201HFN-LB													HSON8
BD7J200EFJ-LB	5W at V_{IN} 24V 10W at V_{IN} 48V	120	1.75	8.0 to 80.0									HTSOP-J8
BD7J200HFN-LB													HSON8

☆: 开发中

支持车载 绝缘型DC-DC转换器IC

支持车载 绝缘型DC-DC转换器IC(无需光电耦合器)

Part No.	Output Power	SW Terminal Withstand Voltage (V)	Over-Current Detection Current (A)	Input Voltage (V)	Switching Frequency (kHz)	Control Method	Features: Enable	Features: Soft Start	Features: Light-Load Efficiency	Features: UVLO	Features: Over-Current Protection	Features: Thermal Protection	Package	Automotive Grade AEC-Q100
New BD7F105EFJ-C	4W at V_{IN} 12V	62	2.6	3.4 to 42.0	363	Adaptive on-time	✓	✓	✓	✓	Recovery	Recovery	HTSOP-J8	YES
New BD7F205EFJ-C	6W at V_{IN} 12V		3.8										HTSOP-J8	YES

栅极驱动器

内置绝缘元件的栅极驱动器

支持车载 内置绝缘元件的栅极驱动器

Part No.	Input-side Supply Voltage (V)	Output-side Positive Supply Voltage (V)	Output-side Negative Supply Voltage (V)	Isolation Voltage (Vrms)	I/O Delay Time (ns)	Minimum Input Pulse Width (ns)	Output Current (A)	Operating Temperature (˚C)	Function	Package	Automotive Grade AEC-Q100
BM6101FV-C	4.5 to 5.5	14 to 24	–12 to 0	2,500	350	180	±3	–40 to +125	Active miller clamping/Fault signal output/UVLO/SCP/DESAT/Soft turn-off function for SCP	SSOP-B20W	YES
BM6102FV-C	4.5 to 5.5	14 to 20	–	2,500	200	100	±3	–40 to +125	Active miller clamping/Fault signal output/UVLO/SCP/DESAT/Soft turn-off function for SCP	SSOP-B20W	YES
BM6104FV-C	4.5 to 5.5	10 to 24	–12 to 0	2,500	150	90	±3	–40 to +125	Active miller clamping/Fault signal output/UVLO/SCP/DESAT/Soft turn-off function for SCP	SSOP-B20W	YES
BM6109FV-C	4.5 to 5.5	14 to 18	–	2,500	700	600	±4.5	–40 to +125	Active miller clamping/Fault signal output/UVLO/SCP/Soft turn-off function for SCP	SSOP-B28W	YES
BM6112FV-C	4.5 to 5.5	14 to 20	–12 to 0	3,750	150	90	±20	–40 to +125	Active miller clamping/Fault signal output/UVLO/SCP/DESAT/Soft turn-off function for SCP	SSOP-B28W	YES
BM61M22BFJ-C	4.5 to 5.5	9 to 24	–	2,500	60	60	±2	–40 to +125	UVLO	SOP-JW8	YES
BM61M41RFV-C	4.5 to 5.5	9 to 24	–	3,750	65	60	±4	–40 to +125	Active miller clamping/UVLO	SSOP-B10W	YES
BM61S40RFV-C	4.5 to 5.5	16 to 20	–	3,750	65	60	±4	–40 to +125	Active miller clamping/UVLO/OVP	SSOP-B10W	YES
BM61S41RFV-C	4.5 to 5.5	16 to 24	–	3,750	65	60	±4	–40 to +125	Active miller clamping/UVLO	SSOP-B10W	YES

内置绝缘元件的栅极驱动器(工业设备用)

Part No.	Input-side Supply Voltage (V)	Output-side Positive Supply Voltage (V)	Output-side Negative Supply Voltage (V)	Isolation Voltage (Vrms)	I/O Delay Time (ns)	Minimum Input Pulse Width (ns)	Output Current (A)	Operating Temperature (˚C)	Function	Package
BM6108FV-LB	4.5 to 5.5	10 to 24	–12 to 0	2,500	150	90	±3	–40 to +105	Active miller clamping/Fault signal output/UVLO/SCP/DESAT/Soft turn-off function for SCP	SSOP-B20W

内置绝缘元件的栅极驱动器(内置反激式电源)

Part No.	Input-side Supply Voltage (V)	Output-side Positive Supply Voltage (V)	Output-side Negative Supply Voltage (V)	Isolation Voltage (Vrms)	I/O Delay Time (ns)	Minimum Input Pulse Width (ns)	Output Current (A)	Operating Temperature (°C)	Function	Package	Automotive Grade AEC-Q100
BM60052AFV-C	4 to 32	10 to 20	−12 to 0	2,500	120	90	±3	−40 to +125	Active miller clamping/Fault signal output/UVLO/DESAT/ Ready output/Soft turn-off function for DESAT	SSOP-B28W	YES
BM60054AFV-C	4 to 32	10 to 20	−12 to 0	2,500	120	90	±3	−40 to +125	Active miller clamping/Fault signal output/UVLO/SCP/ Ready output/Soft turn-off function for SCP	SSOP-B28W	YES
BM60055FV-C	4.5 to 30.0	9 to 24	—	2,500	250	170	±5	−40 to +125	Active miller clamping/Fault signal output/UVLO/SCP/ Soft turn-off function for SCP/OCP/2 level turn off	SSOP-B28W	YES
BM60060FV-C	8 to 24	13.5 to 24.0	—	2,500	210	90	±9	−40 to +125	Active miller clamping/Fault signal output/UVLO/SCP/ Soft turn-off function for SCP/Gate Resistance Selecting	SSOP-B28W	YES
BM60059FV-C	4.5 to 24	14 to 24	—	2,500	450	400	External Settings /−10	−40 to +125	Active miller clamping/Fault signal output/UVLO/SCP/ Soft turn-off function for SCP/Gate Resistance Selecting	SSOP-B28W	YES

其他

IGBT/MOSFET低边栅极驱动器

Part No	Input-side Supply Voltage (V)	I/O Delay Time (ns)	Output Current (A)	ch	Operating Temperature (°C)	Package	Automotive Grade AEC-Q100
BD2310G	4.5 to 18	15	4/−4	1	−40 to +125	SSOP5	—

IGBT/MOSFET高边低边栅极驱动器

Part No	Input-side Supply Voltage (V)	High-side Floating Supply Voltage (V)	I/O Delay Time (ns)	minimum Output Current (A)	ch	Miller Clamping Function	Operating Temperature (°C)	Package	Automotive Grade AEC-Q100
BD2320UEFJ-LA	7.5 to 14.5	100	27/29	3.5/−4.5*	2	—	−40 to +125	HTSOP-J8	—
BM60212FV-C	10 to 24	1,200	75	3/−3		✓	−40 to +125	SSOP-B20W	YES
BM60213FV-C	10 to 24	1,200	75	3/−3		—	−40 to +125	SSOP-B20W	YES

*BD2320EFJ is a standard value.

(LAPIS Technology产品)

电池管理系统(BMS)用非绝缘型栅极驱动器

Part No.	Supply Voltage (V)	Gate Driving Voltage (V) Min	Turn on Time (μs) Max	Turn off Time (μs) Max	Operating temperature (°C)	Package	Halogen Free Support	Automotive Grade Available AEC-Q100
☆ML5810	+6.5 to +64.0	10	350	70	−40 to +105	P-TSSOP20-0225-0.65-TK6	✓	YES
ML5810A						P-TSSOP20-0225-0.65-TK6		—

☆: 开发中

电源管理开关

1ch小型高边开关IC

Part No.	Input Voltage (V)	ON Resistance (mΩ)	Control Input Logic	Output Current (A)	Over Current Detection (A) Min/Typ/Max	Output Turn on Time (ms)	OCP	Thermal Shut Down	Flag Output Delay/ at Over Current (ms)	Discharge Resistance (Ω)	Package
BD2220G	2.7 to 5.5	160	H Active	0.5	0.5/—/1.0	1.0	Latch	Recovery	15	—	SSOP5
BD2221G	2.7 to 5.5	160	L Active	0.5	0.5/—/1.0	1.0	Latch	Recovery		—	SSOP5
BD6538G	2.7 to 5.5	150	H Active	0.5	0.5/—/1.0	1.0	Latch	Recovery		—	SSOP5
BD2224G	2.7 to 5.5	150	H Active	0.5	0.55/0.78/1.0	1.0	Recovery	Recovery		—	SSOP5
BD2225G	2.7 to 5.5	150	L Active	0.5	0.55/0.78/1.0	1.0	Recovery	Recovery		—	SSOP5
BD2226G	2.7 to 5.5	150	H Active	0.65	0.75/1.0/1.35	1.0	Recovery	Recovery		—	SSOP5
BD2227G	2.7 to 5.5	150	L Active	0.65	0.75/1.0/1.35	1.0	Recovery	Recovery		—	SSOP5
BD2232G	2.7 to 5.5	100	H Active	1.0	1.15/1.275/1.4	1.0	Recovery	Recovery		60	SSOP5
BD2233G	2.7 to 5.5	100	L Active	1.0	1.15/1.275/1.4	1.0	Recovery	Recovery		60	SSOP5
BD2240G	2.7 to 5.5	110	H Active	0.75	0.82/0.97/1.12	1.0	Recovery	Recovery		60	SSOP5
BD2241G	2.7 to 5.5	110	L Active	0.75	0.82/0.97/1.12	1.0	Recovery	Recovery		60	SSOP5
BD2246G	2.7 to 5.5	110	H Active	0.5	0.63/0.765/0.9	1.0	Recovery	Recovery		60	SSOP5
BD2247G	2.7 to 5.5	110	L Active	0.5	0.63/0.765/0.9	1.0	Recovery	Recovery		60	SSOP5
BD2248G	2.7 to 5.5	110	H Active	0.2	0.2/0.3/0.4	1.0	Recovery	Recovery		60	SSOP5
BD2222G*	2.8 to 5.5	90	H Active	1.5	0.2 to 1.7 (adjustable)	0.6	Recovery	Recovery	7	—	SSOP6
BD2242G*	2.8 to 5.5	90	H Active	1.5	0.2 to 1.7 (adjustable)	0.6	Recovery	Recovery		60	SSOP6
BD2243G*	2.8 to 5.5	90	L Active	1.5	0.2 to 1.7 (adjustable)	0.6	Recovery	Recovery		60	SSOP6

*UL approved File No. E243261

电源管理开关

车载用 1ch小型高边开关IC

Part No.	Input Voltage (V)	ON Resistance (mΩ)	Control Input Logic	Output Current (A)	Over Current Detection (A) Min/Typ/Max	Output Turn on Time (ms)	OCP	Thermal Shut Down	Flag Output Delay/ at Over Current (ms)	Discharge Resistance (Ω)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD22621G-M	2.7 to 5.5	120	H Active	0.15	0.18/0.30/0.42	1.0	Recovery	Recovery	15	60	SSOP5	FSs	YES
BD2262G-M	2.7 to 5.5	120	H Active	0.2	0.2/0.3/0.4	1.0	Recovery	Recovery		60	SSOP5	FSs	YES
BD22641G-M	2.7 to 5.5	120	H Active	0.5	0.57/0.76/0.96	1.0	Recovery	Recovery		60	SSOP5	FSs	YES
BD2264G-M	2.7 to 5.5	120	H Active	0.5	0.63/0.765/0.9	1.0	Recovery	Recovery		60	SSOP5	FSs	YES
BD2265G-M	2.7 to 5.5	120	L Active	0.5	0.63/0.765/0.9	1.0	Recovery	Recovery		60	SSOP5	FSs	YES
BD2266G-M	2.7 to 5.5	120	H Active	0.75	0.82/0.97/1.12	1.0	Recovery	Recovery		60	SSOP5	FSs	YES
BD2267G-M	2.7 to 5.5	120	L Active	0.75	0.82/0.97/1.12	1.0	Recovery	Recovery		60	SSOP5	FSs	YES
BD2268G-M	2.7 to 5.5	110	H Active	1.0	1.15/1.275/1.4	1.0	Recovery	Recovery		60	SSOP5	FSs	YES
BD2269G-M	2.7 to 5.5	110	L Active	1.0	1.15/1.275/1.4	1.0	Recovery	Recovery		60	SSOP5	FSs	YES
BD2244G-M*2	2.8 to 5.5	100	H Active	1.5	0.2 to 1.7 (adjustable)	0.6	Recovery	Recovery	7	60	SSOP6	FSs	YES
BD2245G-M*2	2.8 to 5.5	100	L Active	1.5	0.2 to 1.7 (adjustable)	0.6	Recovery	Recovery		60	SSOP6	FSs	YES

1ch小型高边开关IC(工业设备用)

Part No.	Input Voltage (V)	ON Resistance (mΩ)	Control Input Logic	Output Current (A)	Over Current Detection (A) Min/Typ/Max	Output Turn on Time (ms)	OCP	Thermal Shut Down	Flag Output Delay/ at Over Current (ms)	Discharge Resistance (Ω)	Package
BD2220G-LB	2.7 to 5.5	160	H Active	0.5	0.5/—/1.0	1.0	Latch	Recovery	15	—	SSOP5
BD2221G-LB	2.7 to 5.5	160	L Active	0.5	0.5/—/1.0	1.0	Latch	Recovery		—	SSOP5
BD6538G-LB	2.7 to 5.5	150	H Active	0.5	0.5/—/1.0	1.0	Latch	Recovery		—	SSOP5
BD2224G-LB	2.7 to 5.5	150	H Active	0.5	0.55/0.78/1.0	1.0	Recovery	Recovery		—	SSOP5
BD2225G-LB	2.7 to 5.5	150	L Active	0.5	0.55/0.78/1.0	1.0	Recovery	Recovery		—	SSOP5
BD2226G-LB	2.7 to 5.5	150	H Active	0.65	0.75/1.0/1.35	1.0	Recovery	Recovery		—	SSOP5
BD2227G-LB	2.7 to 5.5	150	L Active	0.65	0.75/1.0/1.35	1.0	Recovery	Recovery		—	SSOP5

1ch高边开关IC

Part No.	Input Voltage (V)	ON Resistance (mΩ)	Control Input Logic	Output Current (A)	Over Current Detection (A) Min/Typ/Max	Output Turn on Time (ms)	OCP	Thermal Shut Down	Flag Output Delay/ at Over Current (ms)	Discharge Resistance (Ω)	Package
BD82020FVJ*2	2.8 to 5.5	90	H Active	1.1	1.1/1.5/2.0	0.4	Recovery	Recovery	12	75	TSSOP-B8J
BD82021FVJ*2	2.8 to 5.5	90	L Active	1.1	1.1/1.5/2.0	0.4	Recovery	Recovery		75	TSSOP-B8J
BD82022FVJ*2	2.8 to 5.5	90	H Active	1.5	1.5/2.0/2.6	0.4	Recovery	Recovery		75	TSSOP-B8J
BD82023FVJ*2	2.8 to 5.5	90	L Active	1.5	1.5/2.0/2.6	0.4	Recovery	Recovery		75	TSSOP-B8J
BD82024FVJ*2	2.8 to 5.5	90	H Active	2.1	2.1/2.5/3.3	0.4	Recovery	Recovery		75	TSSOP-B8J
BD82025FVJ*2	2.8 to 5.5	90	L Active	2.1	2.1/2.5/3.3	0.4	Recovery	Recovery		75	TSSOP-B8J
BD2051AFJ	2.7 to 5.5	80	H Active	0.5	0.7/1.0/1.6	1.2	Recovery	Recovery	1.3	—	SOP-J8
BD2065AFJ	2.7 to 5.5	80	H Active	1.0	1.1/1.5/2.3	1.2	Recovery	Recovery	2.5	—	SOP-J8
BD82028FVJ*2	4.5 to 5.5	72	H Active	0.5	0.6/1.0/1.2	0.3	Recovery	Recovery	13	75	TSSOP-B8J
BD82029FVJ*2	4.5 to 5.5	72	L Active	0.5	0.6/1.0/1.2	0.3	Recovery	Recovery		55	TSSOP-B8J
BD82030FVJ*2	4.5 to 5.5	72	H Active	1.0	1.05/1.5/1.8	0.3	Recovery	Recovery		55	TSSOP-B8J
BD82031FVJ*2	4.5 to 5.5	72	L Active	1.0	1.05/1.5/1.8	0.3	Recovery	Recovery		55	TSSOP-B8J
BD82032FVJ*2	4.5 to 5.5	72	H Active	1.5	1.55/2.0/2.3	0.3	Recovery	Recovery		55	TSSOP-B8J
BD82033FVJ*2	4.5 to 5.5	72	L Active	1.5	1.55/2.0/2.3	0.3	Recovery	Recovery		55	TSSOP-B8J
BD82034FVJ*2	4.5 to 5.5	72	H Active	2.0	2.05/2.5/2.8	0.3	Recovery	Recovery		55	TSSOP-B8J
BD82035FVJ*2	4.5 to 5.5	72	L Active	2.0	2.05/2.5/2.8	0.3	Recovery	Recovery		55	TSSOP-B8J
BD82038FVJ*2	2.7 to 5.5	72	H Active	0.5	0.60/1.00/1.20	0.5	Recovery	Recovery	7	55	TSSOP-B8J
BD82039FVJ*2	2.7 to 5.5	72	L Active	0.5	0.60/1.00/1.20	0.5	Recovery	Recovery		55	TSSOP-B8J
BD82040FVJ*2	2.7 to 5.5	72	H Active	1.0	1.05/1.50/1.80	0.5	Recovery	Recovery		55	TSSOP-B8J
BD82041FVJ*2	2.7 to 5.5	72	L Active	1.0	1.05/1.50/1.80	0.5	Recovery	Recovery		55	TSSOP-B8J
BD82042FVJ*2	2.7 to 5.5	72	H Active	1.5	1.55/2.00/2.30	0.5	Recovery	Recovery		55	TSSOP-B8J
BD82043FVJ*2	2.7 to 5.5	72	L Active	1.5	1.55/2.00/2.30	0.5	Recovery	Recovery		55	TSSOP-B8J
BD82044FVJ*2	2.7 to 5.5	72	H Active	2.0	2.05/2.50/2.80	0.5	Recovery	Recovery		55	TSSOP-B8J
BD82045FVJ*2	2.7 to 5.5	72	L Active	2.0	2.05/2.50/2.80	0.5	Recovery	Recovery		55	TSSOP-B8J
BD82046FVJ*2	2.7 to 5.5	72	H Active	2.5	2.70/3.20/3.80	0.5	Recovery	Recovery		55	TSSOP-B8J
BD82047FVJ*2	2.7 to 5.5	72	L Active	2.5	2.70/3.20/3.80	0.5	Recovery	Recovery		55	TSSOP-B8J
BD82001FVJ	2.7 to 5.5	70	H Active	0.9	1.0/1.5/2.0	0.8	Recovery	Recovery	15	—	TSSOP-B8J
BD82000FVJ	2.7 to 5.5	70	L Active	0.9	1.0/1.5/2.0	0.8	Recovery	Recovery		—	TSSOP-B8J
BD82065FVJ	2.7 to 5.5	70	H Active	1.1	1.5/2.4/3.0	0.8	Recovery	Recovery		—	TSSOP-B8J
BD82061FVJ	2.7 to 5.5	70	L Active	1.1	1.5/2.4/3.0	0.8	Recovery	Recovery		—	TSSOP-B8J

车载用 1ch高边开关IC

Part No.	Input Voltage (V)	ON Resistance (mΩ)	Control Input Logic	Output Current (A)	Over Current Detection (A) Min/Typ/Max	Output Turn on Time (ms)	OCP	Thermal Shut Down	Flag Output Delay/ at Over Current (ms)	Discharge Resistance (Ω)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD82004FVJ-M	2.7 to 5.5	70	H Active	0.9	1.0/1.5/2.0	0.8	Recovery	Recovery	15	—	TSSOP-B8J	FSs	YES
BD82005FVJ-M	2.7 to 5.5	70	L Active	0.9	1.0/1.5/2.0	0.8	Recovery	Recovery		—	TSSOP-B8J	FSs	YES
BD82006FVJ-M	2.7 to 5.5	70	H Active	1.1	1.5/2.4/3.0	0.8	Recovery	Recovery		—	TSSOP-B8J	FSs	YES
BD82007FVJ-M	2.7 to 5.5	70	L Active	1.1	1.5/2.4/3.0	0.8	Recovery	Recovery		—	TSSOP-B8J	FSs	YES

1ch高边开关IC(工业设备用)

Part No.	Input Voltage (V)	ON Resistance (mΩ)	Control Input Logic	Output Current (A)	Over Current Detection (A) Min/Typ/Max	Output Turn on Time (ms)	OCP	Thermal Shut Down	Flag Output Delay/ at Over Current (ms)	Discharge Resistance (Ω)	Package
BD82001FVJ-LB	2.7 to 5.5	70	H Active	0.9	1.0/1.5/2.0	0.8	Recovery	Recovery	15	—	TSSOP-B8J
BD82000FVJ-LB	2.7 to 5.5	70	L Active	0.9	1.0/1.5/2.0	0.8	Recovery	Recovery		—	TSSOP-B8J
BD82065FVJ-LB	2.7 to 5.5	70	H Active	1.1	1.5/2.4/3.0	0.8	Recovery	Recovery		—	TSSOP-B8J
BD82061FVJ-LB	2.7 to 5.5	70	L Active	1.1	1.5/2.4/3.0	0.8	Recovery	Recovery		—	TSSOP-B8J

2ch高边开关IC

Part No.	Input Voltage (V)	ON Resistance (mΩ)	Control Input Logic	Output Current (A)	Over Current Detection (A) Min/Typ/Max	Output Turn on Time (ms)	OCP	Thermal Shut Down	Flag Output Delay/ at Over Current (ms)	Discharge Resistance (Ω)	Package
BD6516F*2	3.0 to 5.5	110	H Active	1.1	1.2/1.65/2.5	1.3	Recovery	Recovery	1	—	SOP8
BD2066FJ*2	2.7 to 5.5	80	H Active	1.0	1.5/2.4/3.0	0.8	Recovery	Recovery	15	—	SOP-J8
BD2062FJ*2	2.7 to 5.5	80	L Active	1.0	1.5/2.4/3.0	0.8	Recovery	Recovery		—	SOP-J8

车载用 2ch高边开关IC

Part No.	Input Voltage (V)	ON Resistance (mΩ)	Control Input Logic	Output Current (A)	Over Current Detection (A) Min/Typ/Max	Output Turn on Time (ms)	OCP	Thermal Shut Down	Flag Output Delay/ at Over Current (ms)	Discharge Resistance (Ω)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD2068FJ-M	2.7 to 5.5	80	H Active	1.0	1.5/2.4/3.0	0.8	Recovery	Recovery	15	—	SOP-J8	FSs	YES
BD2069FJ-M	2.7 to 5.5	80	L Active	1.0	1.5/2.4/3.0	0.8	Recovery	Recovery		—	SOP-J8	FSs	YES

*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。
*2 UL approved File No. E243261

2ch高边开关IC(工业设备用)

Part No.	Input Voltage (V)	ON Resistance (mΩ)	Control Input Logic	Output Current (A)	Over Current Detection (A) Min/Typ/Max	Output Turn on Time (ms)	OCP	Thermal Shut Down	Flag Output Delay/ at Over Current (ms)	Discharge Resistance (Ω)	Package
BD2066FJ-LB*	2.7 to 5.5	80	H Active	1.0	1.5/2.4/3.0	0.8	Recovery	Recovery	15	—	SOP-J8
BD2062FJ-LB*	2.7 to 5.5	80	L Active	1.0	1.5/2.4/3.0	0.8	Recovery	Recovery		—	SOP-J8

*UL approved File No. E243261

负载开关IC

Part No.	Input Voltage (V)	Current Consumption (μA)	ON Resistance (mΩ)	Number of Output channel (ch)	Control Input Logic	Output Current (A)	Over Current Detection (A) Min/Typ/Max	Output Turn on Time (ms)	Thermal Shut Down	Discharge Resistance (Ω)	Package (mm)
BD6528HFV	V_{DD}=2.7 to 4.5/ V_{IN}=0 to 2.7	20	110	1	H Active	0.5	—	0.5	—	70	HVSOF6
BD6529GUL	V_{DD}=2.7 to 4.5/ V_{IN}=0 to 2.7	20	100		H Active	0.5	—	0.5	—	70	VCSP50L1 1.0×1.5, H=0.55
BD2200GUL	2.7 to 5.5	20	100		H Active	0.5	—	1.0	—	70	VCSP50L1 1.0×1.5, H=0.55
BD2201GUL	2.7 to 5.5	20	100		H Active	1.0	—	1.0	—	70	VCSP50L1 1.0×1.5, H=0.55
BD2204GUL	V_{IN}1=2.7 to 4.5/ V_{IN}2=1.2 to 2.4	30	120		H Active	0.5	—	0.06	Recovery	80	VCSP50L1 1.0×1.5, H=0.55
BD2202G	2.7 to 3.6	70	150		H Active	0.2	0.25/—/1.0	1.2	Recovery	—	SSOP5
BD2206G	2.7 to 3.6	70	150		H Active	0.5	0.8/—/1.6	1.2	Recovery	—	SSOP5
BD6520F	3.0 to 5.5	110	50		H Active	2.0	—	2.0	Latch	350	SOP8
BD6522F	3.0 to 5.5	110	50		H Active	2.0	—	1.0	Latch	350	SOP8

负载开关IC(工业设备用)

Part No.	Input Voltage (V)	Current Consumption (μA)	ON Resistance (mΩ)	Number of Output channel (ch)	Control Input Logic	Output Current (A)	Over Current Detection (A) Min/Typ/Max	Output Turn on Time (ms)	Thermal Shut Down	Discharge Resistance (Ω)	Package
BD2202G-LB	2.7 to 3.6	70	150	1	H Active	0.2	0.25/—/1.0	1.2	Recovery	—	SSOP5
BD2206G-LB	2.7 to 3.6	70	150		H Active	0.5	0.8/—/1.6	1.2	Recovery	—	SSOP5

小型高边负载开关IC

Part No.	Input Voltage (V)	Current Consumption (μA)	ON Resistance (mΩ)	Number of Output channel (ch)	Control Input Logic	Output Current (A)	Over Current Detection (A) Min/Typ/Max	Output Turn on Time (ms)	Thermal Shut Down	Discharge Resistance (Ω)	Package (mm)
BUS1DJC0GWZ	1.1 to 5.0	0.35	63	1	H Active	2.0	—	0.012	—	80	UCSP30L1 0.8×0.8, H=0.35
BUS1DJC3GWZ	1.1 to 5.0	0.35	63		H Active	2.0	—	0.19	—	80	UCSP30L1 0.8×0.8, H=0.35
BDS2EJAAGUL	3.0 to 3.6	0.2	45	2	H Active	1.0	1.0	— (Soft Start)	Recovery	30	VCSP50L1 1.95×1.0, H=0.55

34V耐压1ch小型高边负载开关IC

Part No.	Input Voltage (V)	Current Consumption (μA)	ON Resistance (mΩ)	Number of Output channel (ch)	Control Input Logic	Output Current (A)	Over Current Detection (A) Min/Typ/Max	Output Turn on Time (ms)	Thermal Shut Down	Discharge Resistance (Ω)	Package
BV1HAL45EFJ	8 to 32	0.5	45	1	H Active	3.4 to 9.9 Adjustable	17.4 to 34.6	11.79 to 64.05 Adjustable	Recovery	—	HTSOP-J8
BV1HAL85EFJ	8 to 32	0.5	85		H Active	2.5 to 6.5 Adjustable	8.7 to 17.3	5.45 to 29.60 Adjustable	Recovery	—	HTSOP-J8
BV1HALA5EFJ	8 to 32	0.5	150		H Active	0.75 to 2.1 Adjustable	5.7 to 11.3	5.45 to 29.60 Adjustable	Recovery	—	HTSOP-J8

高边NMOSFET用控制器IC

Part No.	Input Voltage (V)	Current Consumption (μA)	Output Voltage (V)		Number of Output channel (ch)	Control Input Logic	Output Turn on Time (ms)	Discharge Resistance (Ω)	Package
			V_{CC}=3.3V	V_{CC}=5.0V					
BD2270HFV	2.7 to 5.5	50	9.5	13.5	1	H Active	0.13	200	HVSOF5

高边NMOSFET用控制器IC(工业设备用)

Part No.	Input Voltage (V)	Current Consumption (μA)	Output Voltage (V)		Number of Output channel (ch)	Control Input Logic	Output Turn on Time (ms)	Discharge Resistance (Ω)	Package
			V_{CC}=3.3V	V_{CC}=5.0V					
BD2270HFV-LB	2.7 to 5.5	50	9.5	13.5	1	H Active	0.13	200	HVSOF5

无线供电

(LAPIS Technology产品)

工业/消费电子用 13.56MHz Wireless Charge

Part No.	Function Overview	Charging Power (max)	NFC Forum Compliant	Charging Control	NFC Communication Control	Supply Voltage (V)	Clock Source	Data Flash (Byte)	ADC	Host I/F	Quality Grade	Operating Temperature (°C)*1	Package	Halogen Free Support*2
ML7630	Power Receiving	200mW		· 200mW Output · Current, Voltage, Temperature Monitoring	· Communication Speed: 212kbps	Generated from magnetic field	Generated from magnetic field	496	10bit (SA type) ×1ch	I²C slave ×1ch	Consumer	−40 to +85	S-UFLGA34-2.59×2.59-0.40-W (WCSP34)	✓
ML7631	Power Transmitter			· Transmission Power Adjust Control	· Communication Speed: 212kbps	4.5 to 5.5	27.12MHz (Crystal)	496	—	I²C slave ×1ch	Consumer	−40 to +85	P-WQFN32-0505-0.50-A63	✓
ML7660	Power Receiving	1W		· Current, Voltage, Temperature Monitoring	· Communication Speed: 212kbps, 424kbps	Generated from magnetic field	Generated from magnetic field	496	10bit (SA type) ×4ch	SPI slave ×1ch I²C slave ×1ch	Consumer/ Industrial	−40 to +85	S-UFLGA30-2.28×2.61-0.40-W (WCSP30) P-WQFN32-0505-0.50-A63	✓
ML7661	Power Transmitter			· Transmission Power Adjust Control	· Communication Speed: 212kbps, 424kbps	4.5 to 5.5	27.12MHz (Crystal)	496	10bit (SA type) ×6ch	SPI slave ×1ch I²C slave ×1ch	Consumer/ Industrial	−40 to +85	P-WQFN40-0606-0.50-63	✓
☆ML7670	Power Receiving	250mW	✓	· 250mW Output · Current, Voltage, Temperature Monitoring	· NFC Forum Type3 Tag · Communication Speed: 212kbps, 424kbps	Generated from magnetic field	Generated from magnetic field	496	10bit (SA type) ×3ch	I²C slave ×1ch	Consumer	−40 to +85	S-UFLGA30-2.28×2.56-0.40-W (WCSP30)	✓
☆ML7671	Power Transmitter		*3	· Transmission Power Adjust Control	· Communication Speed: 212kbps, 424kbps	4.5 to 5.5	27.12MHz (Crystal)	496	10bit (SA type) ×6ch	I²C slave ×1ch	Consumer	−40 to +85	P-WQFN40-0606-0.50-63	✓

车载用 13.56MHz Wireless Charge

Part No.	Function Overview	Charging Power (max)	NFC Forum Compliant	Charging Control	NFC Communication Control	Supply Voltage (V)	Clock Source	Data Flash (Byte)	ADC	Host I/F	Automotive Grade AEC-Q100	Operating Temperature (°C)*1	Package	Halogen Free Support*2
☆ML7800	Power Receiving	1W	✓	· Current, Voltage, Temperature Monitoring	· NFC Forum Type3 Tag · Communication Speed: 212kbps, 424kbps	Generated from magnetic field	Generated from magnetic field	496	10bit (SA type) ×4ch	SPI slave ×1ch I²C slave ×1ch	✓	−40 to +85	WQFN (TBD)	✓
☆ML7801	Power Transmitter		*3	· Transmission Power Adjust Control	· Communication Speed: 212kbps, 424kbps	4.5 to 5.5	27.12MHz (Crystal)	496	10bit (SA type) ×6ch	SPI slave ×1ch I²C slave ×1ch	✓	−40 to +85	WQFN (TBD)	✓

*1 通信时。
*2 带无卤素标记✓，表示备有无卤素产品。详细内容请咨询销售人员。
*3 仅限Type-F

☆: 开发中

电池管理

电池充电IC

Part No.	Supply Voltage (V)	ON Resistance (mΩ)	Charge Voltage (V)	Charge Current Accuracy (%)	Switching Frequency (kHz)	Operating Temperature (°C)	Package
BD71631QWZ	(2.9V: 30mA, 4.0V: 300mA) to 5.5	–	2.0 to 4.7 (±2%)	±10 (ICHG=100mA to 300mA)	–	–30 to +105	UMMP10LZ1824
BD8664GW	4.1 to 5.5	70	8.3±0.5%	±2	1,000	–30 to +85	UCSP75M2
BD8665GW	4.1 to 5.5	70	8.4±0.5%	±3	1,000	–30 to +85	UCSP75M2
BD99950MUV	6.0 to 24.0	–	8.4/12.6±0.5%	±3	600 to 1,200	–10 to +85	VQFN20PV3535
BD99954GW	3.8 to 25.0	–	4.192/8.4/ 12.592/16.8±0.5%	±2 to ±40	600 to 1,200	–30 to +85	UCSP55M3C
BD99954MWV	3.8 to 25.0	–	4.192/8.4/ 12.592/16.8±0.5%	±2 to ±40	600 to 1,200	–30 to +85	UQFN040V5050

充电保护IC

标准保护型

Part No.	Absolute Maximum Ratings (V)	Over Voltage Detection Level (V)	Under Voltage Detection Level (V)	Over Current Detection Level (A)	Ron (mΩ)	OK/FLGB PIN Logic			Package (mm)
						<UVLO	Normal	>OVLO	
BD6040GUL	+30	6.4±0.2	2.65±0.12	Min 1.2	125 (Typ)	H	L	H	VCSP50L1 1.6×1.6, H=Max 0.55
BD6041GUL	+30	5.85±0.15	2.65±0.12	Min 1.2	125 (Typ)	H	L	H	VCSP50L1 1.6×1.6, H=Max 0.55

负电压保护型

Part No.	Absolute Maximum Ratings (V)	Over Voltage Detection Level (V)	Under Voltage Detection Level (V)	Over Current Detection Level (A)	Ron (mΩ)	OK/FLGB PIN Logic			Package (mm)
						<UVLO	Normal	>OVLO	
BD6046GUL	±30	6.7±0.2	3.6±0.18	Min 1.2	250 (Typ)	H	H	L	VCSP50L2 2.5×2.5, H=Max 0.55
BD6047AGUL	±30	5.85±0.15	3.6±0.18	Min 1.7	125 (Typ)	H	H	L	VCSP50L1 1.95×1.95, H=Max 0.55

标准保护型：防止来自接合器/USB的异常电压。内置过电压闭锁电路、过电流限制电路、低电压保护电路、内部启动延迟以及状态标志。
负电压保护型：加之以往的保护功能，增加了防止USB逆接引起的负电压保护功能无需任何附加部件。

蓄电元件电池平衡IC

EDLC电池平衡IC(4～6节对应)

Part No.	Absolute Maximum Ratings (V)	Cell Voltage Detection Range VCB (V)	Over-voltage Detection Voltage 1 (V)	Over-voltage Detection Voltage 2 (V)	Shunt SW Ron (Ω)	Function			Package (mm)	ComfySIL™ Functional Safety*1
						EN	OVLO	Stack IC		
BD14000EFV-C	+28	2.4 to 3.1V± (1%) (0.1V/step usable)	VCB+0.15 or 0.25 (OVLOSEL=L or H)	VCB+0.3 or 0.5 (OVLOSEL=L or H)	1 (Typ)	✓	✓	✓	HTSSOP-B30 10.0×7.6, H=Max 1.0	FSs

◎ComfySIL™ 是ROHM Co., Ltd.的商标或注册商标。
*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

库仑计数器IC

库仑计数器IC

Part No.	Supply Voltage (V)	Gain (V/V)	Resolution (bit)	I/F	Operating Temperature (°C)	Package	Automotive Grade AEC-Q100
BD7220FV-C	4.5 to 5.5	5/25/51	16	SPI	–40 to +125	SSOP-B20 6.5×6.4 (t=1.45)	YES

锂电池监控LSI

(LAPIS Technology产品)

独立式

Part No.	Description	Supply Voltage (V)	Overvoltage Detection Accuracy (Typ) (mV)	Charge/ Discharge Control FET driver	Cell Balancing Switch	Current Consumption (Typ) (μA)		Overvoltage/ Undervoltage Detection	Charge and Discharge Over-Current Detection	Temperature Detection	Short Circuit Detection	Open Wire Detection	Parameter Change	Operation Temperature (°C)	Package	Halogen Free Support*1
						Operating	Power-down									
ML5241	5-cells, 2nd protection	+5 to +25	±25	–	–	1	0.1	Overvoltage detection	–	–	–	✓	Mask option	–20 to +85	P-WSON10 -0303-0.50-63	✓
ML5205	5-cells/2nd protection, number of connected battery cells detection					3	–								P-VSSOP8 -0150-0.65-TK6	
ML5206	5-cells, 2nd protection with Autonomous Cell Balancing				Internal (Autonomous)	1									P-VSSOP8 -0150-0.65-TK6	
ML5243	5-cells, cell voltage/current/temperature protection			Low-side	–	6.5	0.1	✓	✓	✓	✓			–40 to +85	P-TSSOP20 -0225-0.65-TK6	
ML5233	10-cells, cell voltage/current/ temperature protection, cascade connection	+5 to +60	±15			25						–			P-LQFP32 -0707-0.80-TK6	
ML5245	13-cells, cell voltage/current/ temperature protection, cell voltage monitoring	+7 to +80													P-SSOP30 -56-0.65-ZK6	
ML5232	14-cells, 2nd protection		±20	–		2.5	–	Overvoltage detection	–	–	–			–40 to +105	P-TSSOP20 -0225-0.65-TK6	

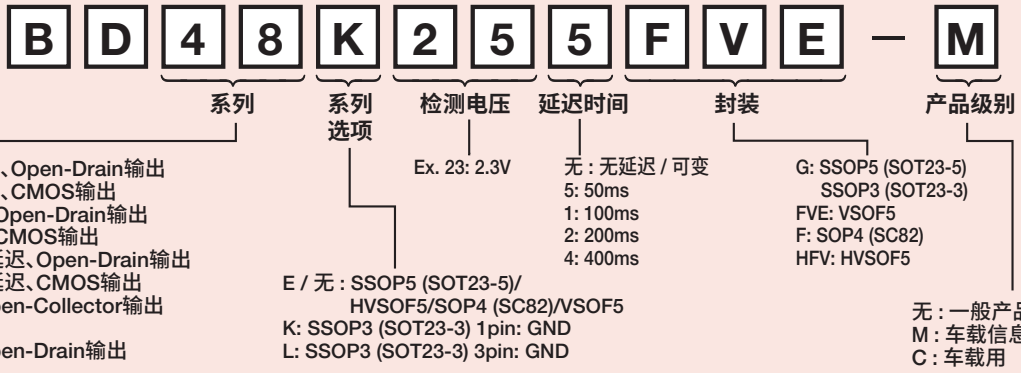
模拟前端型

Part No.	Description	Supply Voltage (V)	Cell Voltage Measurement Error (Typ) (mV)	Monitoring Output	Charge/ Discharge Control FET driver	Cell Balancing Switch	Current Consumption (Typ) (μA)		Overvoltage/ Undervoltage Detection	Charge and Discharge Over-Current Detection	Short Circuit Detection	Parameter Change	Operation Temperature (°C)	Package	Halogen Free Support*1
							Operating	Power-down							
ML5204	5-cells, analog monitoring output	+3.3 to +42.0	±25	cell voltage/ current	–	internal	14	–	✓	✓	✓	Mask option	–40 to +85	P-TSSOP20 -0225-0.65-TK6	✓
ML5248	7-cells, analog monitoring output	+5.0 to +31.5	±20		High-side		32	0.1	–	–		MCU control		P-SSOP30 -56-0.65-ZK6	
ML5236	14-cells, ADC built-in, digital monitoring output	+8 to +64	±15	cell voltage/ current/temperature			330		Overvoltage detection					P-TQFP44 -1010-0.80-ZK6	
ML5238	16-cells, analog monitoring output	+7 to +80	±20	cell voltage/ current	Low-side		50		–					P-QFP44 -910-0.80-2K	
ML5239	16-cells, ADC built-in, cascade connection, digital monitoring output	+10 to +72	±10	cell voltage/ temperature	–	external	1200				–			P-TQFP64 -1010-0.50-ZK6	

*1 带无卤素标记 ✓，表示备有无卤素产品。详细内容请咨询销售人员。

电压检测器(复位IC)			
电压检测器(复位IC)	P.59	过电压检测型(复位IC)	P.60
延迟时间可变型 电压检测器	P.60	延迟时间内部设定型 电压检测器	P.60
车载用电压检测器	P.61	车载用电源监测IC	P.61
看门狗计时器复位IC	P.61	复合型(2ch复位＋比较器)电压检测器	P.61

看门狗计时器复位　品名构成说明



电压检测器(复位IC)

电压检测器(复位IC)

通用CMOS电压检测器IC

Part No.	Types	Voltage Detection Precision (%)	Voltage Detection (V)	RESET Active Voltage (V)	Detection Step (V)	Output type	Circuit Current (μA) ON	Circuit Current (μA) OFF	Hysteresis Voltage (V)	"L" Output Current (mA) V_{DD}=1.2V	"L" Output Current (mA) V_{DD}=2.4V	Package
BD48ExxG series	0.1V step 38 types	±1	2.3 to 6.0	0.95 to 10.0	0.1	Open Drain	0.60 (V_S=4.8V)	0.85 (V_S=4.8V)	V_S×0.05	1	4	SSOP5
BD48xxFVE series	0.1V step 38 types	±1	2.3 to 6.0	0.95 to 10.0	0.1							VSOF5
BD48KxxG series	0.1V step 38 types	±1	2.3 to 6.0	0.95 to 10.0	0.1							SSOP3 (GND 1pin)
BD48LxxG series	0.1V step 38 types	±1	2.3 to 6.0	0.95 to 10.0	0.1							SSOP3 (GND 3pin)
BD49ExxG series	0.1V step 38 types	±1	2.3 to 6.0	0.95 to 10.0	0.1	CMOS						SSOP5
BD49xxFVE series	0.1V step 38 types	±1	2.3 to 6.0	0.95 to 10.0	0.1							VSOF5
BD49KxxG series	0.1V step 38 types	±1	2.3 to 6.0	0.95 to 10.0	0.1							SSOP3 (GND 1pin)
BD49LxxG series	0.1V step 38 types	±1	2.3 to 6.0	0.95 to 10.0	0.1							SSOP3 (GND 3pin)

品名中的xx为检测电压值(2.3V～6.0V的0.1V阶跃)。　例：BD48ExxG系列中需要2.3V检测电压值的情况下，品名为BD48E23G。

电压检测器(低电压检测型)

Part No.	Types	Voltage detection Precision at T_a=+25°C (%)	Voltage Detection (V)	RESET Active Voltage (V)	Detection Step (V)	Output type	Circuit Current (μA) ON	Circuit Current (μA) OFF	Hysteresis Voltage (V)	"L" Output Current (mA) V_{DD}=1.2V	"L" Output Current (mA) V_{DD}=2.4V	Package
BU48xxG series	0.1V step 40 types	±1	0.9 to 4.8	0.7 to 7.0	0.1	Open Drain	0.40 (V_{DET}=4.8V)	0.55 (V_{DET}=4.8V)	V_{DET}×0.05	3.3	6.5	SSOP5
BU48xxFVE series	0.1V step 40 types	±1	0.9 to 4.8	0.7 to 7.0	0.1							VSOF5
BU48xxF series	0.1V step 40 types	±1	0.9 to 4.8	0.7 to 7.0	0.1							SOP4
BU49xxG series	0.1V step 40 types	±1	0.9 to 4.8	0.7 to 7.0	0.1	CMOS						SSOP5
BU49xxFVE series	0.1V step 40 types	±1	0.9 to 4.8	0.7 to 7.0	0.1							VSOF5
BU49xxF series	0.1V step 40 types	±1	0.9 to 4.8	0.7 to 7.0	0.1							SOP4

双极型电压检测器

Part No.	Types	Voltage detection Precision at T_a=+25°C (%)	Voltage Detection (V)	RESET Active Voltage (V)	Detection Step (V)	Output type	Circuit Current (μA) I_{CCL}	Circuit Current (μA) I_{CCH}	Hysteresis Voltage (mV)	"L" Output Current (mA)	Package
BD47xxG series	0.1V step 28 types	±1	1.9 to 4.6	0.85 to 10.00	0.1	Open Collector	1.5	1.6	50	15	SSOP5

电压检测器(低电压检测型)：*品名中的xx为检测电压值(0.9V～4.8V的0.1V阶跃)。　例：BU48xxG系列中需要2.3V检测电压值的情况下，品名为BU4823G。
双极型电压检测器：*品名中的xx为检测电压值(1.9V～4.6V的0.1V阶跃)。　例：BD47xxG系列中需要2.3V检测电压值的情况下，品名为BD4723G。

过电压检测型(复位IC)

过电压检测用电压检测器

Part No.	Voltage Detection Precision at T_a=+25°C (%)	Voltage Detection (V)	RESET Active Voltage (V)	Detection Step (V)	Output type	Circuit Current (μA)		Hysteresis Voltage (mV)	"L" Output Current (mA)	Package
						I_{CCL}	I_{CCH}			
BD71L4LG-1	±0.8	4.05	1.2 to 7.0	–	Open Drain	0.6	0.7	30	4 (V_{DD}=4.25V)	SSOP5
BD71L4LHFV-1	±0.8	4.05	1.2 to 7.0	–					4 (V_{DD}=4.25V)	HVSOF5
BD71L3SHFV	±1.0	3.83	1.2 to 7.0	–					4 (V_{DD}=4.03V)	HVSOF5

过电压检测用电压检测器(支持125°C)

Part No.	Types	Voltage Detection Precision Within The All Temperature (%)	Voltage Detection (V)	RESET Active Voltage (V)	Detection Step (V)	Output type	Circuit Current (μA)		Hysteresis Voltage (V)	"L" Output Current (mA)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
							ON	OFF		V_{DD}=1.2V			
Nano BD70HxxG-2C series	0.1V step 4 types	±1.4	3.46 to 3.76	0.8 to 6.0	0.1	Open Drain	0.27	0.3	–	1.0mA or more	SSOP5	FSs	YES
Nano BD73HxxG-2C series	0.1V step 4 types		3.46 to 3.76	0.8 to 6.0	0.1	CMOS					SSOP5	–	YES

◎ComfySIL™ 是ROHM Co., Ltd.的商标或注册商标。
*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。
可在型号的 "xx" 处加入检测电压。具体请参见数据表中的规格。

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延迟时间可变型 电压检测器

延迟时间外部设定型 电压检测器(传感检测型)

Part No.	Types	Voltage detection Precision at T_a=+25°C (%)	Voltage Detection (V)	RESET Active Voltage (V)	Detection Step (V)	Output type	Circuit Current (μA)		Hysteresis Voltage (V)	"L" Output Current (mA)		RESET Active Timeout Period (ms)	Delay Circuit Resistance (MΩ)	Package	ComfySIL™ Functional Safety*1
							ON	OFF		V_{DD}=1.2V	V_{DD}=2.4V				
BD52ExxG series	0.1V step 38 types	±1	2.3 to 6.0	0.95 to 10.00	0.1	Open Drain	0.90 (V_{DET}=4.8V)	0.85 (V_{DET}=4.8V)	V_{DET}×0.05	1.2	5.0	Variable	9	SSOP5	FSs
BD52xxFVE series	0.1V step 38 types	±1	2.3 to 6.0	0.95 to 10.00	0.1		0.90 (V_{DET}=4.8V)	0.85 (V_{DET}=4.8V)	V_{DET}×0.05	1.2	5.0	Variable	9	VSOF5	–
BD53ExxG series	0.1V step 38 types	±1	2.3 to 6.0	0.95 to 10.00	0.1	CMOS	0.90 (V_{DET}=4.8V)	0.85 (V_{DET}=4.8V)	V_{DET}×0.05	1.2	5.0	Variable	9	SSOP5	FSs
BD53xxFVE series	0.1V step 38 types	±1	2.3 to 6.0	0.95 to 10.00	0.1		0.90 (V_{DET}=4.8V)	0.85 (V_{DET}=4.8V)	V_{DET}×0.05	1.2	5.0	Variable	9	VSOF5	–

延迟时间外部设定型 电压检测器(低电压检测型)

Part No.	Types	Voltage detection Precision at T_a=+25°C (%)	Voltage Detection (V)	RESET Active Voltage (V)	Detection Step (V)	Output type	Circuit Current (μA)		Hysteresis Voltage (V)	"L" Output Current (mA)		RESET Active Timeout Period (ms)	Delay Circuit Resistance (MΩ)	Package
							ON	OFF		V_{DD}=1.2V	V_{DD}=2.4V			
BU42xxG series	0.1V step 40 types	±1	0.9 to 4.8	0.7 to 7.0	0.1	Open Drain	0.40 (V_{DET}=4.8V)	0.55 (V_{DET}=4.8V)	V_{DET}×0.05	3.3	6.5	Variable	10	SSOP5
BU42xxFVE series	0.1V step 40 types	±1	0.9 to 4.8	0.7 to 7.0	0.1							Variable	10	VSOF5
BU42xxF series	0.1V step 40 types	±1	0.9 to 4.8	0.7 to 7.0	0.1							Variable	10	SOP4
BU43xxG series	0.1V step 40 types	±1	0.9 to 4.8	0.7 to 7.0	0.1	CMOS						Variable	10	SSOP5
BU43xxFVE series	0.1V step 40 types	±1	0.9 to 4.8	0.7 to 7.0	0.1							Variable	10	VSOF5
BU43xxF series	0.1V step 40 types	±1	0.9 to 4.8	0.7 to 7.0	0.1							Variable	10	SOP4

延迟时间外部设定型 电压检测器(传感检测型)

Part No.	Voltage Detection Precision at T_a=+25°C (%)	Voltage Detection (V)	Power Supply Voltage (V)	Output type	Circuit Current (μA)	Hysteresis Voltage (V)	Output ON Resistance (Ω)	RESET Active Timeout Period (ms)	Package
BD4142HFV	±1.8	0.5	3.0 to 5.5	Open Drain	7.5	0.01	100	Variable	HVSOF5

延迟时间外部设定型电压检测器：品名中的xx为检测电压值(2.3V～6.0V的0.1V阶跃)。 例：BD52xxG系列中需要2.3V检测电压值的情况下，品名为BD52E23G。
延迟时间外部设定型电压检测器(低电压检测型)：品名中的xx为检测电压值(0.9V～4.8V的0.1V阶跃)。 例：BU42xxG系列中需要2.3V检测电压值的情况下，品名为BU4223G。
◎ComfySIL™ 是ROHM Co., Ltd.的商标或注册商标。
*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

延迟时间内部设定型 电压检测器

延迟时间内部设定型 电压检测器(漏极开路输出型)

Part No.	Types	Voltage Detection Precision (%)	Voltage Detection (V)	RESET Active Voltage (V)	Detection Step (V)	Output type	Circuit Current (μA)		Hysteresis Voltage (V)	"L" Output current (mA)		RESET Active Timeout Period (ms)	Manual Reset PIN	Package
							ON	OFF		V_{DD}=1.2V	V_{DD}=2.4V			
BD45xx5G series	0.1V step 26 types	±1	2.3 to 4.8	0.95 to 10.00	0.1	Open Drain	0.80 (V_{DET}=4.8V)	0.85 (V_{DET}=4.8V)	V_{DET}×0.05	1.2	5.0	50	YES	SSOP5
BD45xx1G series	0.1V step 26 types	±1	2.3 to 4.8	0.95 to 10.00	0.1							100	YES	SSOP5
BD45xx2G series	0.1V step 26 types	±1	2.3 to 4.8	0.95 to 10.00	0.1							200	YES	SSOP5
BU45Kxx2G series	0.1V step 26 types	±1	2.3 to 4.8	0.6 to 10.0	0.1		2.3 (V_{DET}=4.8V)	2.8 (V_{DET}=4.8V)				200	NO	SSOP3 (GND 1pin)
BU45Lxx2G series	0.1V step 26 types	±1	2.3 to 4.8	0.6 to 10.0	0.1							200	NO	SSOP3 (GND 3pin)
BU45Kxx4G series	0.1V step 26 types	±1	2.3 to 4.8	0.6 to 10.0	0.1							400	NO	SSOP3 (GND 1pin)
BU45Lxx4G series	0.1V step 26 types	±1	2.3 to 4.8	0.6 to 10.0	0.1							400	NO	SSOP3 (GND 3pin)

品名中的xx为检测电压值(2.3V～4.8V的0.1V阶跃)。 例：BD45xx5G系列中需要2.3V检测电压值的情况下，品名为BD45235G。

延迟时间内部设定型 电压检测器(CMOS输出型)

Part No.	Types	Voltage Detection Precision (%)	Voltage Detection (V)	RESET Active Voltage (V)	Detection Step (V)	Output type	Circuit Current (μA)		Hysteresis Voltage (V)	"L" Output current (mA)		RESET Active Timeout Period (ms)	Manual Reset PIN	Package
							ON	OFF		V_{DD}=1.2V	V_{DD}=2.4V			
BD46xx5G series	0.1V step 26 types	±1	2.3 to 4.8	0.95 to 10.00	0.1	CMOS	0.80 (V_{DET}=4.8V)	0.85 (V_{DET}=4.8V)	V_{DET}×0.05	1.2	5.0	50	YES	SSOP5
BD46xx1G series	0.1V step 26 types	±1	2.3 to 4.8	0.95 to 10.00	0.1							100	YES	SSOP5
BD46xx2G series	0.1V step 26 types	±1	2.3 to 4.8	0.95 to 10.00	0.1							200	YES	SSOP5
BU46Kxx2G series	0.1V step 26 types	±1	2.3 to 4.8	0.6 to 10.0	0.1		2.3 (V_{DET}=4.8V)	2.8 (V_{DET}=4.8V)				200	NO	SSOP3 (GND 1pin)

品名中的xx为检测电压值(2.3V～4.8V的0.1V阶跃)。 例：BD45xx5G系列中需要2.3V检测电压值的情况下，品名为BD45235G。

车载用电压检测器

电压检测器(105°C对应)

Part No.	Types	Voltage Detection Precision at T_a=+25°C (%)	Voltage Detection (V)	RESET Active Voltage (V)	Detection Step (V)	Output type	Circuit Current (μA) ON	Circuit Current (μA) OFF	Hysteresis Voltage (V)	"L" Output Current (mA)		RESET Active Timeout Period (ms)	Delay Time Precision (%)	Manual Reset PIN	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD48ExxG-M series	0.1V step 38 types	±1	2.3 to 6.0	0.95 to 10.00	0.1	Open Drain	0.60 (V_{DET}=4.8V)	0.85 (V_{DET}=4.8V)	V_{DET}×0.05	0.4 or more (V_{DD}=1.5V V_{DS}=0.5V)	2 or more (V_{DD}=2.4V V_{DS}=0.5V)	–	–	NO	SSOP5	FSs	YES
BD49ExxG-M series	0.1V step 38 types		2.3 to 6.0	0.95 to 10.00	0.1	CMOS						–	–	NO	SSOP5	FSs	YES
BD45Exx5G-M series	0.1V step 26 types		2.3 to 4.8	0.95 to 10.00	0.1	Open Drain	0.80 (V_{DET}=4.8V)	0.85 (V_{DET}=4.8V)	V_{DET}×0.05	0.45 or more (V_{DD}=1.2V V_{DS}=0.3V)	1.3 or more (V_{DD}=2.4V V_{DS}=0.3V)	50	–	YES	SSOP5	FSs	YES
BD45Exx1G-M series	0.1V step 26 types		2.3 to 4.8	0.95 to 10.00	0.1							100	–	YES	SSOP5	FSs	YES
BD45Exx2G-M series	0.1V step 26 types		2.3 to 4.8	0.95 to 10.00	0.1							200	–	YES	SSOP5	FSs	YES
BD46Exx5G-M series	0.1V step 26 types		2.3 to 4.8	0.95 to 10.00	0.1	CMOS						50	–	YES	SSOP5	FSs	YES
BD46Exx1G-M series	0.1V step 26 types		2.3 to 4.8	0.95 to 10.00	0.1							100	–	YES	SSOP5	FSs	YES
BD46Exx2G-M series	0.1V step 26 types		2.3 to 4.8	0.95 to 10.00	0.1							200	–	YES	SSOP5	FSs	YES
Nano BD52xxG-2M series	0.1V step 42 types	±2.5 (All Temperature)	0.9 to 5.0	0.8 to 6.0	0.1	Open Drain	0.23	0.27	V_{DET}×0.05	1.0 or more (V_{DD}=1.2V V_{DS}=0.4V)	2.0 or more (V_{DD}=2.4V V_{DS}=0.4V)	Variable	±30% (All Temperature)	NO	SSOP5	FSs	YES
Nano BD53xxG-2M series	0.1V step 42 types		0.9 to 5.0	0.8 to 6.0	0.1	CMOS						Variable		NO	SSOP5	FSs	YES

电压检测器(125°C对应)

Part No.	Types	Voltage Detection Precision Within The All Temperature (%)	Voltage Detection (V)	RESET Active Voltage Range (V)	Detection step (V)	Output Type	Circuit current (μA) ON	Circuit current (μA) OFF	Hysteresis Voltage (V)	"L" Output current (mA) (V_{DS}=0.4V)		RESET Active Timeout Period (ms)	Delay Time Precision (%)	Manual Reset PIN	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
Nano BD52xxG-2C series	0.1V step 42 types	±3	0.9 to 5.0	0.8 to 6.0	0.1	Open Drain	0.23	0.27	V_{DET}×0.05	1.0 or more (V_{DD}=1.2V)	2.0 or more (V_{DD}=2.4V)	Variable	±50 (All Temperature)	NO	SSOP5	FSs	YES
Nano BD53xxG-2C series	0.1V step 42 types		0.9 to 5.0	0.8 to 6.0	0.1	CMOS						Variable		NO	SSOP5	FSs	YES
Nano BD5320NVX-2C	1	±2.5	2.0	0.8 to 6.0	–							Variable		NO	SSON004R1010	FSs	YES
Nano BD52xxNVX-2C series	8 types		1.4 to 3.1	0.8 to 6.0	–	Open Drain						Variable		NO	SSON004R1010	FSs	YES
Nano BD70HxxG-2C/ BD70HxxG-C series	0.1V step 5 types	±1.4	3.46 to 3.76/ 3.06	0.8 to 6.0	0.1		0.27	0.3	–			–	–	NO	SSOP5	FSs/FSs	YES
Nano BD73HxxG-2C series	0.1V step 4 types		3.46 to 3.76	0.8 to 6.0	0.1	CMOS						–		NO	SSOP5	FSs	YES

窗口电压检测器(125°C对应)

Part No.	Operating Supply Voltage (V)	Voltage Detection Precision Within The All Temperature (%)	Over Voltage Detection (V)	Low Voltage Detection (V)	Output Type	Circuit current (μA)	Hysteresis Voltage (V)	"L" Output Current (mA) (V_{DS}=0.4V)		RESET Active Timeout Period (ms)	Delay Time Precision (%)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
Nano BD48HW0G-C	1.8 to 40	±0.75	1.277	1.277	Open Drain	0.5	V_{DET}×0.01	2 or more (V_{DD}=1.8V)		–	–	SSOP6	FSs	YES
BD48W00G-C	1.6 to 6.0	±2.5	1.2	1.2		3						SSOP6	FSs	YES
Nano BD52W01G-C		±5	1.32	1.08		0.3		1 or more (V_{DD}=1.6V)	2 or more (V_{DD}=2.4V)	Variable	±50 (All Temperature)	SSOP6	FSs	YES
Nano BD52W02G-C			1.65	1.35								SSOP6	FSs	YES
Nano BD52W03G-C			1.98	1.62								SSOP6	FSs	YES
Nano BD52W04G-C			2.75	2.25								SSOP6	FSs	YES
Nano BD52W05G-C			3.63	2.97								SSOP6	FSs	YES
Nano BD52W06G-C			5.5	4.5								SSOP6	FSs	YES

品名中的"xx"为检测电压值。 例：BD48ExxG-M系列中需要2.3V检测电压值的情况下，品名为BD48E23G-M。
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车载用电源监测IC

4ch电源良好(看门狗计时器＋复位)

Part No.	Supply Voltage (V)	RESET Detection Voltage (V)	Power good Detection Voltage (V)	Detection level (%)	Detection Precision (%)	Power good ch	Output type	WDT type	RESET Active Timeout Period	Selfe-diagnosis function	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD39040MUF-C	2.7 to 5.5	Variable	Variable	±10	±3	4	Open Drain	Window Type	10ms	YES	VQFN16FV3030	FSs	YES
BD39042MUF-C	2.7 to 5.5			±6	±1.4				10ms		VQFN16FV3030	FSs	YES

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其他

看门狗计时器复位IC

Part No.	Voltage Detection Precision (%)	Voltage Detection (V)	RESET Active Voltage (V)	Output type	Circuit Current (μA) ON	Hysteresis Voltage (V)	"L" Output Current (mA) V_{DD}=1.2V	"L" Output Current (mA) V_{DS}=0.5V	RESET Active Timeout Period	Delay Circuit Resistance (MΩ)	WDT Active Voltage (V)	INH Mode (Active)	Package
BD37A19FVM	±1.5	1.9	1.0 to 10.0	Open Drain	5	V_{DET}×0.13	0.7		Variable	10	2.5 to 10.0	H	MSOP8
BD37A41FVM	±1.5	4.1	1.0 to 10.0			V_{DET}×0.035						H	MSOP8
BD87A28FVM	±1.5	2.8	1.0 to 10.0			V_{DET}×0.045						L	MSOP8
BD87A29FVM	±1.5	2.9	1.0 to 10.0			V_{DET}×0.05						L	MSOP8
BD87A34FVM	±1.5	3.4	1.0 to 10.0									L	MSOP8
BD87A41FVM	±1.5	4.1	1.0 to 10.0			V_{DET}×0.035						L	MSOP8
BD99A41F	±1.5	4.1	1.0 to 10.0									H	SOP8

复合型(2ch复位＋比较器)电压检测器

Part No.	Voltage Detection Precision (%)	Voltage Detection (V)	Output type	Circuit Current (μA) V_{SB}=5V	Hysteresis Voltage (mV)	RESET Active Timeout Period	Input Voltage (V)	Package
BD3775AF	±1.5	1.23	Open Collector+Constant Current Pull Up	350	28	Variable	3.5 to 18.0	SOP8