

电机/执行机构驱动器

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DC有刷电机驱动器

H桥驱动器 7V耐压

Part No.	ch	Supply Voltage (V)	Output Current (A)	Input Threshold Voltage (V)		Output ON Resistance (Typ) (Ω)	Output Modes	Package
				H Level	L Level			
BD6210F	1	3.0 to 5.5	0.5	2.0 or more	0.8 or less	1.0	Forward/ Reverse/ Standby (Idle)/ Brake	SOP8
BD6210HFP						HRP7		
BD6211F			1.0			SOP8		
BD6211HFP						HRP7		
BD6212FP			2.0			HSOP25		
BD6212HFP			HRP7					

H桥驱动器 18V耐压

Part No.	ch	Supply Voltage (V)	Output Current (A)	Input Threshold Voltage (V)		Output ON Resistance (Typ) (Ω)	Output Modes	Package
				H Level	L Level			
BD6220F	1	6.0 to 15.0	0.5	2.0 or more	0.8 or less	1.5	Forward/ Reverse/ Standby (Idle)/ Brake	SOP8
BD6221F			1.0			SOP8		
BD6222FP			2.0			HSOP25		
BD6222HFP						HRP7		
BD6225FP			0.5			HSOP25		
BD6226FP	2		1.0		1.5	HSOP25		

H桥驱动器 36V耐压

Part No.	ch	Supply Voltage (V)	Output Current (A)	Input Threshold Voltage (V)		Output ON Resistance (Typ) (Ω)	Output Modes	Package
				H Level	L Level			
BD6230F	1	6.0 to 32.0	0.5	2.0 or more	0.8 or less	1.5	Forward/ Reverse/ Standby (Idle)/ Brake	SOP8
BD6231F			1.0			SOP8		
BD6231HFP						HRP7		
BD6232FP			2.0			HSOP25		
BD6232HFP						HRP7		
BD6236FP	2	8.0 to 28.0	1.0	2.0 or more	0.8 or less	1.5	Forward/ Reverse/ Standby (Idle)/ Brake	HSOP25
BD6236FM			2.0			HSOP-M28		
BD6237FM			0.5			HSOP-M28		
BD62105AFVM	1	8.0 to 28.0	1.0	2.0 or more	0.8 or less	1.8	Forward/ Reverse/ Standby (Idle)/ Brake	MSOP8
BD62110AEFJ			2.0			HTSOP-J8		
BD62120AEFJ			3.0			HTSOP-J8		
BD62130AEFJ			1.0			HTSOP-J8		
BD62210AEFV	2	8.0 to 28.0	1.7	2.0 or more	0.8 or less	1.9	Forward/ Reverse/ Standby (Idle)/ Brake	HTSSOP-B28
BD60203EFV			2.0			HTSSOP-B24		
BD62220AEFV			2.0			HTSSOP-B28		
BD62221MUV			2.0			VQFN032V5050		

H桥驱动器 40V耐压

Part No.	ch	Supply Voltage (V)	Output Current (A)	Output Modes	Output ON Resistance (Upper + Lower) (Typ) (Ω)	Operating Temperature (°C)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BD16950EFV-C	1	5.5 to 40.0	—	Available to select High, Low or Hi-Z Output by each Output terminal.	—	-40 to +125	HTSSOP-B24	FSs	YES
BD16939AEFV-C	3 (Half 6ch)	6.3 to 32.0	1.0	Available to select High, Low or Hi-Z Output by each Output terminal.	1.35	-40 to +125	HTSSOP-B28	FSs	YES
BD16938AEFV-C	4 (Half 8ch)	6.3 to 32.0	1.0	Available to select High, Low or Hi-Z Output by each Output terminal.	1.4	-40 to +125	HTSSOP-B28	—	YES
BD16912EFV-C	1	6.0 to 18.0	3.0	Forward/Reverse/ Standby/Brake	0.36	-40 to +125	HTSSOP-B20	FSs	YES

H桥驱动器 50V耐压

Part No.	ch	Supply Voltage (V)	Output Current (A)	Input Threshold Voltage (V)		Output ON Resistance (Typ) (Ω)	Output Modes	Package
				H Level	L Level			
BD63130AFM	1	8.0 to 46.2	3.0	2.0 or more	0.8 or less	0.55	Forward/ Reverse/ Standby (Idle)/ Brake	HSOP-M36
BD63150AFM			5.0			HSOP-M36		
BD64220EFV			2			2.0		0.65

H桥驱动器 大电流

Part No.	ch	Supply Voltage (V)	Output Current (A)	Input Threshold Voltage (V)		Output ON Resistance (Typ) (Ω)	Output Modes	Package
				H Level	L Level			
BD62321HFP	1	6.0 to 32.0	3.0	2.0 or more	0.8 or less	1.0	Forward/ Reverse/ Standby (Idle)/ Brake	HRP7

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*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

DC有刷电机驱动器

H桥驱动器 高速驱动系列

Part No.	ch	Supply Voltage (V)	Output Current (A)	Input Threshold Voltage (V)		Output ON Resistance (Typ) (Ω)	Output Modes	Package
				H Level	L Level			
BD6736FV	1	2.0 to 9.0	1.0 peak 3.2	2.0 or more	0.7 or less	0.35	Forward/Reverse/ Standby (Idle)/ Brake	SSOP-B20
BD6376GUL	1	2.0 to 9.0	1.0	2.0 or more	0.7 or less	0.45		VCSP50L1
BD65494MUV	1	2.0 to 9.0	1.0 peak 2.5	2.0 or more	0.7 or less	0.55		VQFN016V3030
BD63576NUX	1	2.0 to 10.0	1.2 peak 3.2	V _{CC} ×0.7 or more	V _{CC} ×0.3 or less	0.55		VSON008X2020
BD65491FV	1	1.8 to 16.0	1.2 Peak 4	1.45 or more	0.5 or less	0.35		SSOP-B16
BD65496MUV	1	1.8 to 16.0	1.2 peak 5	1.45 or more	0.5 or less	0.35		VQFN024V4040
BD63573NUV	1	2.0 to 16.0	1.2 peak 3.2	1.45 or more	0.5 or less	0.38		VSON010V3030
BD6735FV	2	2.0 to 8.0	1.0	2.0 or more	0.7 or less	1.0		SSOP-B20
BD63572MUV	2	2.0 to 9.0	1.0 peak 2.5	1.85 or more	0.9 or less	0.4		VQFN20PV3535
BD63565EFV	2	1.8 to 16.0	1.0	1.45 or more	0.5 or less	0.9		HTSSOP-B20
BD65492MUV	2	1.8 to 16.0	1.0	1.45 or more	0.5 or less	0.9		VQFN024V4040

步进电机驱动器

高性能、高可靠性 36V 耐压系列 步进电机驱动器 适用于 PPC、MFP、工业设备等

BD63740FM	CLK IN	4.0A	Constant Current	FWRW	DECAY SW	Thin PKG	FUNCTION COMPATIBLE	EPINE	ONE POWER	T.S.D.	A.O.C.P.	UV	O.V.L.O.	Short Protection
BD63731EFV	CLK IN	3.0A	Constant Current	FWRW	DECAY SW	Thin PKG	FUNCTION COMPATIBLE	EPINE	ONE POWER	T.S.D.	A.O.C.P.	UV	O.V.L.O.	Short Protection
BD63730EFV	CLK IN	3.0A	PARA IN	Constant Current	FWRW	DECAY SW	Thin PKG	FUNCTION COMPATIBLE	ONE POWER	T.S.D.	A.O.C.P.	UV	O.V.L.O.	Short Protection
BD63725BEFV	CLK IN	2.5A	Constant Current	FWRW	DECAY SW	Thin PKG	FUNCTION COMPATIBLE	EPINE	ONE POWER	T.S.D.	A.O.C.P.	UV	O.V.L.O.	Short Protection
BD63720AEFV	CLK IN	2.0A	Constant Current	FWRW	DECAY SW	Thin PKG	FUNCTION COMPATIBLE	EPINE	ONE POWER	T.S.D.	A.O.C.P.	UV	O.V.L.O.	Short Protection
BD63715AEFV	CLK IN	1.5A	Constant Current	FWRW	DECAY SW	Thin PKG	FUNCTION COMPATIBLE	EPINE	ONE POWER	T.S.D.	A.O.C.P.	UV	O.V.L.O.	Short Protection
BD63710AEFV	CLK IN	1.0A	Constant Current	FWRW	DECAY SW	Thin PKG	FUNCTION COMPATIBLE	EPINE	ONE POWER	T.S.D.	A.O.C.P.	UV	O.V.L.O.	Short Protection
BD63920MUV	CLK IN	2.0A	PARA IN	Constant Current	FWRW	DECAY SW	FUNCTION COMPATIBLE	EPINE	ONE POWER	T.S.D.	A.O.C.P.	UV	O.V.L.O.	Short Protection
BD63910MUV	CLK IN	1.0A	PARA IN	Constant Current	FWRW	DECAY SW	FUNCTION COMPATIBLE	EPINE	ONE POWER	T.S.D.	A.O.C.P.	UV	O.V.L.O.	Short Protection
BD63716AMWV	CLK IN	1.5A	Constant Current	FWRW	DECAY SW	Thin PKG	FUNCTION COMPATIBLE	EPINE	ONE POWER	T.S.D.	A.O.C.P.	UV	O.V.L.O.	Short Protection
BD68720EFV	PARA IN	2.0A	Constant Current	FWRW	DECAY SW	Thin PKG	FUNCTION COMPATIBLE	EPINE	ONE POWER	T.S.D.	A.O.C.P.	UV	O.V.L.O.	Short Protection
BD68715EFV	PARA IN	1.5A	Constant Current	FWRW	DECAY SW	Thin PKG	FUNCTION COMPATIBLE	EPINE	ONE POWER	T.S.D.	A.O.C.P.	UV	O.V.L.O.	Short Protection
BD68710EFV	PARA IN	1.0A	Constant Current	FWRW	DECAY SW	Thin PKG	FUNCTION COMPATIBLE	EPINE	ONE POWER	T.S.D.	A.O.C.P.	UV	O.V.L.O.	Short Protection
BD6389FM	CLK IN	2.2A	PARA IN	Constant Current	FWRW	DECAY SW	FUNCTION COMPATIBLE	EPINE	ONE POWER	T.S.D.	A.O.C.P.	UV	O.V.L.O.	Short Protection
BD6387EFV	CLK IN	2.0A	PARA IN	Constant Current	FWRW	DECAY SW	FUNCTION COMPATIBLE	EPINE	ONE POWER	T.S.D.	A.O.C.P.	UV	O.V.L.O.	Short Protection
BD6385EFV	CLK IN	1.5A	PARA IN	Constant Current	FWRW	DECAY SW	FUNCTION COMPATIBLE	EPINE	ONE POWER	T.S.D.	A.O.C.P.	UV	O.V.L.O.	Short Protection
BD6383EFV	CLK IN	1.0A	PARA IN	Constant Current	FWRW	DECAY SW	FUNCTION COMPATIBLE	EPINE	ONE POWER	T.S.D.	A.O.C.P.	UV	O.V.L.O.	Short Protection

*1 BD6387EFV, BD6385EFV, BD6383EFV和BD6389FM功能兼容。
 *2 BD6387EFV, BD6385EFV和BD6383EFV引脚兼容。
 *3 BD68720EFV, BD68715EFV和BD68710EFV功能兼容。
 *4 BD68720EFV, BD68715EFV和BD68710EFV引脚兼容。
 *5 BD63731EFV, BD63725BEFV, BD63720AEFV, BD63715AEFV和BD63710AEFV功能兼容。
 *6 BD63731EFV, BD63725BEFV, BD63720AEFV, BD63715AEFV和BD63710AEFV引脚兼容。

Part No.	Supply Voltage (V)	Output Current (A)	Circuit Current (mA)	Input Threshold Voltage (V)		Output ON Resistance (Ω)	Package
	V _{CC}			High Level	Low Level		
BD63740FM	8 to 28	4.0	2.0	2.0	0.8	0.28	HSOP-M36
BD63731EFV	8 to 28	3.0	2.0	2.0	0.8	0.28	HTSSOP-B28
BD63730EFV	19 to 28	3.0	2.0	2.0	0.8	0.4	HTSSOP-B54
BD63725BEFV	8 to 28	2.5	2.0	2.0	0.8	0.35	HTSSOP-B28
BD63720AEFV	19 to 28	2.0	2.0	2.0	0.8	0.65	HTSSOP-B28
BD63715AEFV	19 to 28	1.5	2.0	2.0	0.8	0.95	HTSSOP-B28
BD63710AEFV	19 to 28	1.0	2.0	2.0	0.8	1.2	HTSSOP-B28
BD63920MUV	8 to 28	2.0	2.5	2.0	0.8	0.49	VQFN028V5050
BD63910MUV	8 to 28	1.0	2.5	2.0	0.8	1.3	VQFN028V5050
BD63716AMWV	8 to 28	1.5	2.0	2.0	0.8	0.85	UQFN040V5050
BD68720EFV	19 to 28	2.0	2.0	2.0	0.8	0.65	HTSSOP-B28
BD68715EFV	19 to 28	1.5	2.0	2.0	0.8	0.95	HTSSOP-B28
BD68710EFV	19 to 28	1.0	2.0	2.0	0.8	1.2	HTSSOP-B28
BD6389FM	10 to 28	2.2	4.5	2.0	0.8	0.7	HSOP-M36
BD6387EFV	10 to 28	2.0	4.5	2.0	0.8	0.8	HTSSOP-B40
BD6385EFV	10 to 28	1.5	4.5	2.0	0.8	1.0	HTSSOP-B40
BD6383EFV	10 to 28	1.0	4.5	2.0	0.8	1.5	HTSSOP-B40

图标说明	CLK IN 控制信号输入 CLK-IN型	PARA IN 控制信号输入 PARALLEL-IN型	I_{OMAX} 1.0A 最大输出电流	I_{OMAX} 1.5A 最大输出电流	I_{OMAX} 2.0A 最大输出电流	I_{OMAX} 2.2A 最大输出电流	I_{OMAX} 2.5A 最大输出电流	I_{OMAX} 3.0A 最大输出电流	I_{OMAX} 4.0A 最大输出电流	STEP STEP	Constant Current PWM 恒流 PWM	FWRW 可以切换正转和反转
	DECAY SW SLOW/FAST/MIX衰减转换功能	Thin PKG 薄型封装	SMALL SIZE POWER PKG 大功率封装	FUNCTION COMPATIBLE 功能兼容	FUNCTION COMPATIBLE 大功率封装	EPINE 引脚与其他厂家兼容轻松替换	ONE POWER 内置稳压器实现单电源系统	UV 内置低电压保护电路	O.V.L.O. 内置过电压保护电路	4kV 6kV 静电耐压	Short Protection 相邻引脚短路保护	IC Protection IC逆装保护

标准36V耐压系列 步进电机驱动器

BD6395FP	PARAMETER I _{max} 1.5A STEP	Constant Current PWM	SMALL SIZE POWER	ONB POWER	SSS T.S.D.	O.C.P.	UV LO	OVLO	4kV	FUNCTION MODE	1 [*]	2 [*]
BD6393FP	PARAMETER I _{max} 1.2A STEP	Constant Current PWM	SMALL SIZE POWER	ONB POWER	SSS T.S.D.	O.C.P.	UV LO	OVLO	4kV	FUNCTION MODE	1 [*]	2 [*]
BD68620EFV	PARAMETER I _{max} 2.0A STEP	Constant Current PWM	Thin PKG SMALL SIZE POWER	ONB POWER	SSS T.S.D.	O.C.P.	UV LO	OVLO		FUNCTION MODE	1 [*]	2 [*]
BD68610EFV	PARAMETER I _{max} 1.0A STEP	Constant Current PWM	Thin PKG SMALL SIZE POWER	ONB POWER	SSS T.S.D.	O.C.P.	UV LO	OVLO		FUNCTION MODE	1 [*]	2 [*]
BD6290EFV	PARAMETER I _{max} 0.8A STEP	Constant Current PWM	Thin PKG SMALL SIZE POWER	ONB POWER	SSS T.S.D.	O.C.P.	UV LO	OVLO	4kV	FUNCTION MODE	1 [*]	2 [*]
BD63960EFV	PARAMETER I _{max} 1.5A STEP	Constant Current PWM	Thin PKG SMALL SIZE POWER	ONB POWER	SSS T.S.D.	O.C.P.	UV LO	OVLO	4kV	FUNCTION MODE	1 [*]	2 [*]
BD63940EFV	PARAMETER I _{max} 1.2A STEP	Constant Current PWM	Thin PKG SMALL SIZE POWER	ONB POWER	SSS T.S.D.	O.C.P.	UV LO	OVLO	4kV	FUNCTION MODE	1 [*]	2 [*]
BD63621MUV	CLK I _{max} 2.0A STEP	Constant Current PWM	SMALL SIZE POWER	ONB POWER	SSS T.S.D.	O.C.P.	UV LO	OVLO		FUNCTION MODE	1 [*]	2 [*]
BD63620AEFV	CLK I _{max} 2.0A STEP	Constant Current PWM	Thin PKG SMALL SIZE POWER	ONB POWER	SSS T.S.D.	O.C.P.	UV LO	OVLO		FUNCTION MODE	1 [*]	2 [*]
BD63610AEFV	CLK I _{max} 1.0A STEP	Constant Current PWM	Thin PKG SMALL SIZE POWER	ONB POWER	SSS T.S.D.	O.C.P.	UV LO	OVLO		FUNCTION MODE	1 [*]	2 [*]
BD63801EFV	CLK I _{max} 0.8A STEP	Constant Current PWM	Thin PKG SMALL SIZE POWER	ONB POWER	SSS T.S.D.	O.C.P.	UV LO	OVLO	4kV	FUNCTION MODE	1 [*]	2 [*]
BD60223FP	CLK I _{max} 1.5A STEP	Constant Current PWM	SMALL SIZE POWER	ONB POWER	SSS T.S.D.	O.C.P.	UV LO	OVLO		FUNCTION MODE	1 [*]	2 [*]
BD63888AEKV	CLK I _{max} 1.5A STEP	Constant Current PWM	SMALL SIZE POWER	ONB POWER	SSS T.S.D.	O.C.P.	UV LO	OVLO		FUNCTION MODE	1 [*]	2 [*]
BD68888AEKV	PARAMETER I _{max} 1.5A STEP	Constant Current PWM	SMALL SIZE POWER	ONB POWER	SSS T.S.D.	O.C.P.	UV LO	OVLO		FUNCTION MODE	1 [*]	2 [*]
BD63888MUV	CLK I _{max} 1.2A STEP	Constant Current PWM	SMALL SIZE POWER	ONB POWER	SSS T.S.D.	O.C.P.	UV LO	OVLO		FUNCTION MODE	1 [*]	2 [*]
BD68888MUV	PARAMETER I _{max} 1.65A STEP	Constant Current PWM	SMALL SIZE POWER	ONB POWER	SSS T.S.D.	O.C.P.	UV LO	OVLO		FUNCTION MODE	1 [*]	2 [*]

*1 BD6395FP, BD6393FP, 和BD6290EFV功能兼容。

*2 BD6395FP和BD6393FP引脚兼容。

*3 BD63620AEFV, BD63610AEFV, 和BD63801EFV功能兼容。

*4 BD63960EFV和BD63940EFV引脚兼容。

*5 BD68620EFV和BD68610EFV功能兼容。

*6 BD63960EFV和BD63940EFV功能兼容。

Part No.	Supply Voltage (V)	Output Current (A)	Circuit Current (mA)	Input Threshold Voltage (V)		Output ON Resistance (Ω)	Package
	V _{CC}			High Level	Low Level		
BD6395FP	16 to 28	1.5	3.0	2.0	0.8	1.2	HSOP25
BD6393FP	16 to 28	1.2	3.0	2.0	0.8	1.5	HSOP25
BD68620EFV	19 to 28	2.0	1.3	2.0	0.8	0.95	HTSSOP-B24
BD68610EFV	19 to 28	1.0	1.3	2.0	0.8	1.8	HTSSOP-B20
BD6290EFV	19 to 28	0.8	3.0	2.0	0.8	2.8	HTSSOP-B24
BD63960EFV	19 to 28	1.5	2.7	2.0	0.8	1.1	HTSSOP-B24
BD63940EFV	19 to 28	1.2	2.7	2.0	0.8	1.4	HTSSOP-B24
BD63621MUV	8 to 28	2.0	2.5	2.0	0.8	0.49	VQFN028V5050
BD63620AEFV	19 to 28	2.0	1.3	2.0	0.8	0.95	HTSSOP-B24
BD63610AEFV	19 to 28	0.8	1.3	2.0	0.8	1.8	HTSSOP-B20
BD63801EFV	19 to 28	0.8	2.7	2.0	0.8	2.8	HTSSOP-B24
BD60223FP	8 to 28	1.5	2.5	2.0	0.8	0.55	HSOP25
BD63888AEKV	8 to 28	1.5	5.0	2.0	0.8	1.0	HTQFP48V
BD68888AEKV	8 to 28	1.5	5.0	2.0	0.8	1.0	HTQFP48V
BD63888MUV	8 to 28	1.2	5.0	2.0	0.8	1.0	VQFN036V6060
BD68888MUV	8 to 28	1.65	5.0	2.0	0.8	1.0	VQFN036V6060

支持μ-step的36V耐压系列 步进电机驱动器

BD63860EFV	CLK	imax 2.5A	μSTEP	Current PWM	FW/RW	DECAY SW	Thin PKG	Small Pin Pitch	ONE POWER	T.S.D.	O.C.P.	UV	O.V.L.O.	Short Protection
BD63510AEFV	CLK	imax 1.0A	μSTEP	Current PWM	FW/RW	DECAY SW	Thin PKG	Small Pin Pitch	FUNCTION	ONE POWER	T.S.D.	O.C.P.	UV	O.V.L.O.
BD63511EFV	CLK	imax 1.0A	μSTEP	Current PWM	FW/RW	DECAY SW	Thin PKG	Small Pin Pitch	FUNCTION	ONE POWER	T.S.D.	O.C.P.	UV	O.V.L.O.
BD63520AEFV	CLK	imax 2.0A	μSTEP	Current PWM	FW/RW	DECAY SW	Thin PKG	Small Pin Pitch	FUNCTION	ONE POWER	T.S.D.	O.C.P.	UV	O.V.L.O.
BD63521EFV	CLK	imax 2.0A	μSTEP	Current PWM	FW/RW	DECAY SW	Thin PKG	Small Pin Pitch	FUNCTION	ONE POWER	T.S.D.	O.C.P.	UV	O.V.L.O.
BD63524AEFV	CLK	imax 2.5A	μSTEP	Current PWM	FW/RW	DECAY SW	Thin PKG	Small Pin Pitch	FUNCTION	ONE POWER	T.S.D.	O.C.P.	UV	O.V.L.O.
BD63525AEFV	CLK	imax 2.5A	μSTEP	Current PWM	FW/RW	DECAY SW	Thin PKG	Small Pin Pitch	FUNCTION	ONE POWER	T.S.D.	O.C.P.	UV	O.V.L.O.
BD63740FM	CLK	imax 4.0A	μSTEP	Current PWM	FW/RW	DECAY SW	Thin PKG	Small Pin Pitch	FUNCTION	ONE POWER	T.S.D.	O.C.P.	UV	O.V.L.O.

*1 BD63510AEFV, BD63520AEFV和BD63525AEFV功能兼容。
*2 BD63511AEFV和BD63521AEFV功能兼容。

Part No.	Supply Voltage (V)		Output Current (A)	Circuit Current (mA)	Input Threshold Voltage (V)		Output ON Resistance (Ω)	Package
	V _{CC}	V _M			High Level	Low Level		
BD63860EFV	16 to 28		2.5	4.0	2.0	0.8	0.8	HTSSOP-B28
BD63510AEFV	8 to 28		1.0	2.5	2.0	0.8	1.75	HTSSOP-B28
BD63511EFV	8 to 28		1.0	2.5	2.0	0.8	1.75	HTSSOP-B28
BD63520AEFV	8 to 28		2.0	2.5	2.0	0.8	0.65	HTSSOP-B28
BD63521EFV	8 to 28		2.0	2.5	2.0	0.8	0.65	HTSSOP-B28
BD63524AEFV	8 to 28		2.5	2.5	2.0	0.8	0.35	HTSSOP-B28
BD63525AEFV	8 to 28		2.5	2.5	2.0	0.8	0.35	HTSSOP-B28
BD63740FM	8 to 28		4.0	2.0	2.0	0.8	0.28	HSOP-M36

低电压系列 步进电机驱动器 用于微型和便携式打印机

BD6382EFV	PARAM	imax 0.8A	μSTEP	Current PWM	Thin PKG	Small Pin Pitch	T.S.D.	O.C.P.	UV	4kV	Short Protection	0.1μA	FUNCTION	SPINE	-40°C	+85°C
BD6381EFV	PARAM	imax 1.2A	μSTEP	Current PWM	Thin PKG	Small Pin Pitch	T.S.D.	O.C.P.	UV	4kV	Short Protection	0.1μA	FUNCTION	SPINE	-40°C	+85°C
BD6380EFV	PARAM	imax 0.8A	μSTEP	Current PWM	Thin PKG	Small Pin Pitch	T.S.D.	O.C.P.	UV	4kV	Short Protection	0.1μA	FUNCTION	SPINE	-40°C	+85°C

Part No.	Supply Voltage (V)		Output Current (A)	Circuit Current (mA)	Input Threshold Voltage (V)		Output ON Resistance (Ω)	Package
	V _{CC}	V _M			High Level	Low Level		
BD6382EFV	3.0 to 5.5	5.5 to 13.5	0.8	1.6	2.0	0.8	1.2	HTSSOP-B24
BD6381EFV	2.5 to 5.5	6.0 to 13.5	1.2	1.6	2.0	0.8	1.0	HTSSOP-B24
BD6380EFV	2.5 to 5.5	4.0 to 13.5	0.8	1.6	2.0	0.8	1.2	HTSSOP-B24

40V耐压系列 步进电机驱动器

BD63401EFV	PARAM	imax 1.35A	μSTEP	Current PWM	Thin PKG	Small Pin Pitch	ONE POWER	T.S.D.	O.C.P.	UV	O.V.L.O.	4kV	Short Protection
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Part No.	Supply Voltage (V)		Output Current (A)	Circuit Current (mA)	Input Threshold Voltage (V)		Output ON Resistance (Ω)	Package
	V _{CC}	V _M			High Level	Low Level		
BD63401EFV	8 to 33		1.35	2.0	2.0	0.8	1.0	HTSSOP-B20

45V耐压系列 步进电机驱动器

BD6425EFV	CLK	imax 1.5A	μSTEP	Current PWM	FW/RW	DECAY SW	Thin PKG	Small Pin Pitch	ONE POWER	T.S.D.	O.C.P.	UV	8kV	Short Protection
BD6423EFV	CLK	imax 1.0A	μSTEP	Current PWM	FW/RW	DECAY SW	Thin PKG	Small Pin Pitch	ONE POWER	T.S.D.	O.C.P.	UV	8kV	Short Protection
BD6422EFV	PARAM	imax 1.0A	μSTEP	Current PWM	FW/RW	DECAY SW	Thin PKG	Small Pin Pitch	ONE POWER	T.S.D.	O.C.P.	UV	8kV	Short Protection

Part No.	Supply Voltage (V)		Output Current (A)	Circuit Current (mA)	Input Threshold Voltage (V)		Output ON Resistance (Ω)	Package
	V _{CC}	V _M			High Level	Low Level		
BD6425EFV	19 to 42		1.5	2.0	2.0	0.8	1.1	HTSSOP-B28
BD6423EFV	19 to 42		1.0	2.0	2.0	0.8	2.0	HTSSOP-B24
BD6422EFV	19 to 42		1.0	2.0	2.0	0.8	2.0	HTSSOP-B24

50V耐压系列 步进电机驱动器

BD64220EFV	PARAM	imax 2.0A	μSTEP	Current PWM	DECAY SW	Thin PKG	Small Pin Pitch	ONE POWER	T.S.D.	O.C.P.	UV	O.V.L.O.	Short Protection
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Part No.	Supply Voltage (V)		Output Current (A)	Circuit Current (mA)	Input Threshold Voltage (V)		Output ON Resistance (Ω)	Package
	V _{CC}	V _M			High Level	Low Level		
BD64220EFV	8 to 46.2		2.0	2.0	2.0	0.8	0.65	HTSSOP-B28

36V耐压系列 单极步进电机驱动器

BM6343FS-Z	CLK	SPI	imax 3.0A	μSTEP	Current PWM	FW/RW	ONE POWER	T.S.D.	O.C.P.	UV	O.V.L.O.	Short Protection
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Part No.	Supply Voltage (V)		Output Current (A)	Circuit Current (mA)	Input Threshold Voltage (V)		Output ON Resistance (Ω)	Package
	V _{CC}	V _M			High Level	Low Level		
BM6343FS-Z	8 to 28		3.0	5.0	2.0	0.8	0.10	SSOP-A54_36

- 内置过电流保护电路
- 内置低电压保护电路
- 内置过电压保护电路
- 4kV/8kV 静电耐压
- 相邻引脚短路保护
- 内置稳压器实现单电源系统
- 内置温度保护电路
- 功能兼容
- 待机电流 0μA
- 40°C 工作温度范围 +85°C
- IC 逆装保护

车载用40V耐压 步进电机驱动器

BD63800MUF-C



Part No.	Supply Voltage (V)	Output Current (A)	Circuit Current (mA)	Input Threshold Voltage (V)		Output ON Resistance (Ω)	Package	Automotive Grade AEC-Q100
	V _{CC}			High Level	Low Level			
BD63800MUF-C	6 to 28	1.21	3.5mA	2.0	0.8	0.75	VQFN32FBV050	YES

三相无刷电机驱动器

带速度控制的三相无刷电机预驱动器

BD6762FV



BD63030EKV-C



Part No.	Max Voltage (V)	Supply Voltage (V)	Operating Temperature (°C)	Circuit Current (mA)	Input Threshold Voltage (V)		External FET Drive Voltage		PWM Frequency (kHz)	Package		
					H Level	L Level	Upper (V)	Lower (V)				
BD6762FV	36	16 to 28	-25 to +75	17	2.2	0.8	V _{CC} +6.8	10.8	16	HTSSOP-B24		
Part No.	Max Voltage (V)	Supply Voltage (V)	Operating Temperature (°C)	Circuit Current (mA)	Input Threshold Voltage (V)		External FET Drive Voltage V _{CC} =6.5V		PWM Frequency (kHz)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
					H Level	L Level	Upper (V)	Lower (V)				
BD63030EKV-C	50	6.5 to 18.0	-40 to +125	18	3.8	1.9	2xV _{CC} -1.0	5.5	20	HTQFP64AV	FSs	YES

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*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

三相无刷电机预驱动器

BD6761FS



BD63001AMUV



BD63002AMUV



BM62300MUV



BD63003MUV



BD67891MUV



BD16805FV-M



BM64070MUV



BM64300MUV



Part No.	Max Voltage (V)	Supply Voltage (V)	Operating Temperature (°C)	Circuit Current (mA)	Input Threshold Voltage (V)		External FET Drive Voltage (V)		PWM Frequency (kHz)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
					H Level	L Level	Upper	Lower				
BD6761FS	36	16 to 28	-35 to +75	15.0	2.2	0.8	V _{CC} +6	10.5	15	SSOP-A32	-	-
BD63001AMUV	33	4.5 to 5.5/6 to 28	-40 to +85	2.5	2.0	0.8	V _{CC} -0.2	9.5	20	VQFN024V4040	-	-
BD63002AMUV	33	8.0 to 26.4	-40 to +85	2.5	2.0	0.8	V _{CC} +7	5.0	External IN	VQFN028V5050	-	-
BM62300MUV	33	8 to 28	-40 to +105	14	V _{VREG50} -1.2	0.8	V _G -0.1	0.1	40	VQFN032V5050	-	-
BD63003MUV	40	10.8 to 26.4	-40 to +85	4.5	2.0	0.8	V _{CC} +10*2	10*2	External IN	VQFN032V5050	-	-
BD67891MUV	45	20 to 40	-25 to +85	2.5	2.0	0.8	V _{MM} -7.8	7.8	External IN	VQFN032V5050	-	-
BD16805FV-M	60	8 to 18	-40 to +110	15.2	3.0	1.0	2xV _{CC} -0.5	8.0	25	SSOP-B40	FSs	YES
BM64070MUV	100	28 to 77	-40 to +105	6.4	2.8	0.8	V _G -0.1	0.1	90	VQFN040V6060	-	-
BM64300MUV	100	28 to 63	-40 to +105	13	V _{VREG50} -1.2	0.8	V _G -0.1	0.1	40	VQFN040V6060	-	-

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*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。
*2 恒流驱动型

图标说明	CLK IN 控制信号输入 CLK-IN型	SERVO 内置伺服电路	SPI SPI BUS 接口	Iomax 1.2A 最大输出电流	36V MAX 耐压	40V MAX 耐压	60V MAX 耐压	100V MAX 耐压	120° PWM 输出通方式	120° PWM 输出通方式	180° PWM 输出通方式	STEP 恒流 PWM	Constant Current PWM 恒流 PWM
FWRW	可以切换正转和反转	External FET	外置输出段FET 上侧: Nch/下侧: Nch	External FET	外置输出段FET 上侧: Pch/下侧: Nch	DMOS	DMOS 输出	FG AMP	内置FG放大器	HYS AMP	内置磁滞放大器	ONE POWER	内置稳压电路 现单电源系统
T.S.D.	内置温度保护电路	SHORT BRAKE	内置短路制动	Motor lock protection	内置电机锁定保护电路	O.C.P.	内置过电流保护电路	O.V.P.	内置过电压保护电路	U.V.P.	内置输出低电压保护电路	UV LO	内置低电压保护电路
												OVLO 内置过电压保护电路	Short Protection 相邻引脚短路保护

三相无刷电机驱动器

BD63005AMUV	120V PWM	DMOS	SHORT BRAKE	PWRW	Motor lock protection	O.C.P.	O.V.P.	U.V.P.	
BD63006MUV	120V PWM	DMOS	SHORT BRAKE	PWRW	Motor lock protection	O.C.P.	O.V.P.	U.V.P.	
BD63007MUV	120V PWM	DMOS	SHORT BRAKE	PWRW	Motor lock protection	O.C.P.	O.V.P.	U.V.P.	
BD63015EFV	36V MAX	180V PWM	DMOS	T.S.D.	Motor lock protection	O.C.P.	O.V.P.	U.V.P.	
BD63035EFV-M	36V MAX	180V PWM	DMOS	T.S.D.	Motor lock protection	O.C.P.	O.V.P.	U.V.P.	
BD16852EFV-C	40V MAX	120V PWM	DMOS	SENSOR LESS DRIVE	T.S.D.	Motor lock protection	O.C.P.	O.V.P.	U.V.P.

Part No.	Max Voltage (V)	Supply Voltage (V)	Output Current (A)	Operating Temperature (°C)	Circuit Current (mA)	Input Threshold Voltage (V)		Output ON Resistance (Ω)	PWM Frequency (kHz)	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
						H Level	L Level					
BD63005AMUV	33	10 to 28	2	-25 to +85	4.4	2.0	0.8	0.17	External IN	VQFN040V6060	—	—
BD63006MUV	33	8 to 28	1.5	-40 to +85	4.4	2.0	0.8	0.8	External IN	VQFN024V4040	—	—
BD63007MUV	33	8 to 28	3	-25 to +85	4.4	2.0	0.8	0.17	External IN	VQFN040V6060	—	—
BD63015EFV	36	8 to 28	1.5	-40 to +105	8	2.0	0.8	0.6	External IN	HTSSOP-B20	—	—
BD63035EFV-M	36	8 to 28	1.5	-40 to +105	8	2.0	0.8	0.6	22.7	HTSSOP-B20	FSs	YES
New BD16852EFV-C	40	5.5 to 18.0	3.2	-40 to +125	5	—	—	0.4	20	HTSSOP-B28	FSs	YES

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风扇电机驱动器

5V单相全波风扇电机驱动器

BH6766FVM	5V MIN	300 CLASS	FG	SOFT S/W	HALL	T.S.D.		
BD6965NUX	5V MIN	350 CLASS	FG	SOFT S/W	LOCK	SOFT S/W	T.S.D.	
BU6909AGFT	5V MIN	300 CLASS	HALL Sensor	FG	SOFT S/W	LOCK	SOFT S/W	T.S.D.
BU69090NUX	5V MIN	300 CLASS	HALL Sensor	FG	SOFT S/W	LOCK	SOFT S/W	T.S.D.

Part No.	Supply Voltage (V)	I _o Max (mA)	Power Transistor	Output Saturation Voltage (V)	Speed Control	Hall Bias Voltage (V)	Lock Time Ratio	Package
BH6766FVM	2.0 to 6.0	630	CMOS	Upper and Lower 0.6 (I _o =250mA)	—	1.3	—	MSOP8
BD6965NUX	2.0 to 5.5	800	CMOS	Upper and Lower 0.4 (I _o =250mA)	Direct PWM	—	1 : 10	VSON008X2030
BU6909AGFT	1.8 to 5.5	800	CMOS	Upper and Lower 0.16 (I _o =200mA)	Direct PWM	Include Hall sensor	1 : 10	TSSOF6
BU69090NUX	1.8 to 5.5	800	CMOS	Upper and Lower 0.16 (I _o =200mA)	Direct PWM	Include Hall sensor	1 : 10	VSON008X2030

标准单相全波风扇电机驱动器

BD6981FVM	12V MIN	250 CLASS	FG	SOFT S/W	HALL	LOCK	T.S.D.	
BD6982FVM	12V MIN	250 CLASS	SOFT S/W	HALL	LOCK	ALARM	T.S.D.	
BD6967FVM	12V MIN	250 CLASS	FG	SOFT S/W	HALL	LOCK	SOFT S/W	T.S.D.
BD6968FVM	12V MIN	250 CLASS	SOFT S/W	HALL	LOCK	ALARM	SOFT S/W	T.S.D.
BD6962FVM	12V MIN	300 CLASS	FG	SOFT S/W	LOCK	T.S.D.		
BD6964FVM	12V MIN	300 CLASS	SOFT S/W	LOCK	ALARM	T.S.D.		
BD6961F	12V MIN	350 CLASS	FG	SOFT S/W	LOCK	ALARM	T.S.D.	
BD6964F	12V MIN	350 CLASS	SOFT S/W	LOCK	ALARM	T.S.D.		
BD69830FV	24V MIN	350 CLASS	FG	HALL	LOCK	ALARM	SOFT S/W	T.S.D.

Part No.	Supply Voltage (V)	I _o Max (mA)	Power Transistor	Output Saturation Voltage (V)	Speed Control	Hall Bias Voltage (V)	Lock Time Ratio	Package
BD6981FVM	2.8 to 16.0	800	DMOS	Upper and Lower 0.45 (I _o =200mA)	—	1.2	1 : 6	MSOP8
BD6982FVM	2.8 to 16.0	800	DMOS	Upper and Lower 0.45 (I _o =200mA)	—	1.2	1 : 6	MSOP8
BD6967FVM	3.3 to 14.0	800	DMOS	Upper and Lower 0.45 (I _o =200mA)	DC/Direct PWM	1.2	1 : 10	MSOP10
BD6968FVM	3.3 to 14.0	800	DMOS	Upper and Lower 0.45 (I _o =200mA)	DC/Direct PWM	1.2	1 : 10	MSOP10
BD6962FVM	3.3 to 14.0	800	DMOS	Upper and Lower 0.4 (I _o =300mA)	Direct PWM	—	1 : 10	MSOP8
BD6964FVM	3.3 to 14.0	800	DMOS	Upper and Lower 0.4 (I _o =300mA)	Direct PWM	—	1 : 10	MSOP8
BD6961F	3.3 to 14.0	1,000	DMOS	Upper and Lower 0.4 (I _o =300mA)	Direct PWM	—	1 : 10	SOP8
BD6964F	3.3 to 14.0	1,000	DMOS	Upper and Lower 0.4 (I _o =300mA)	Direct PWM	—	1 : 10	SOP8
BD69830FV	6.0 to 28.0	900	DMOS	Upper and Lower 0.6 (I _o =200mA)	Direct PWM	1.2	1 : 30	SSOP-B14

5V MIN 电源电压兼容
 12V MIN 电源电压兼容
 24V MIN 电源电压兼容
 250 CLASS 稳定旋转时能够流向电机的电流估计值
 300 CLASS 稳定旋转时能够流向电机的电流估计值
 350 CLASS 稳定旋转时能够流向电机的电流估计值
 HALL Sensor 内置霍尔元件
 FG RPM 脉冲信号输出
 SOFT S/W 有助于软开关、静音
 HALL Motor 内置霍尔元件用电源电压
 SOFT S/W Motor 可控制转速
 LOCK SENSE 不需要电机锁定检测所需的外部电容器

电机 / 执行机构驱动器

高性能单相全波风扇电机驱动器

BD6971FV	12V MIN 350 CLASS	FG FULL, SOFT SW, HALL, LOCK, RPM PULSE, MIN rpm, T.S.D, IO LIMIT
BD6994FV	12V MIN 350 CLASS	FG FULL, SOFT SW, HALL, LOCK, RPM PULSE, ALARM, MIN rpm, START SUP, T.S.D
BD6995FV	12V MIN 400 CLASS	FG FULL, SOFT SW, HALL, LOCK, RPM PULSE, ALARM, MIN rpm, T.S.D, IO LIMIT
BD61243FV	12V MIN 450 CLASS	FG FULL, SOFT SW, LOCK, RPM PULSE, MIN rpm, START SUP, T.S.D, IO LIMIT
BD61245EFV	12V MIN 800 CLASS	FG FULL, SOFT SW, LOCK, RPM PULSE, MIN rpm, START SUP, T.S.D, IO LIMIT, SOFT START
BD61248NUX	12V MIN 400 CLASS (Small PKG)	FG FULL, SOFT SW, LOCK, RPM PULSE, START SUP, T.S.D
BD69730FV	12V MIN PRE DRIVER	FG FULL, SOFT SW, HALL, LOCK, RPM PULSE, MIN rpm, T.S.D, IO LIMIT, SOFT START
BD69740FV	12V MIN PRE DRIVER	SOFT SW, HALL, LOCK, RPM PULSE, ALARM, MIN rpm, T.S.D, IO LIMIT, SOFT START
BD61250MUV	24V MIN PRE DRIVER (Small PKG)	FG FULL, SOFT SW, LOCK, RPM PULSE, ALARM, MIN rpm, START SUP, T.S.D, IO LIMIT, SOFT START
BD61251FV	12V MIN PRE DRIVER	FG FULL, SOFT SW, LOCK, RPM PULSE, START SUP, T.S.D, IO LIMIT, SOFT START

Part No.	Supply Voltage (V)	I _o Max (mA)	Power Transistor	Output Saturation Voltage (V)	Speed Control	Hall Bias Voltage (V)	Lock Time Ratio	Package
BD6971FV	3.5 to 17.0	1,000	DMOS	Upper and Lower 0.6 (I _o =200mA)	DC/PWM	1.3	1 : 10	SSOP-B14
BD6994FV	4.5 to 17.0	1,200	DMOS	Upper and Lower 0.6 (I _o =400mA)	DC/PWM	1.25	1 : 10	SSOP-B16
BD6995FV	4.3 to 17.0	1,200	DMOS	Upper and Lower 0.6 (I _o =400mA)	DC	1.25	1 : 10	SSOP-B16
BD61243FV	5.5 to 16.0	1,200	DMOS	Upper and Lower 0.4 (I _o =400mA)	DC/PWM	1.25	1 : 10	SSOP-B14
BD61245EFV	4.0 to 16.0	1,800	DMOS	Upper and Lower 0.2 (I _o =400mA)	DC/PWM	—	1 : 10	HTSSOP-B16
BD61248NUX	4.5 to 16.0	1,200	DMOS	Upper and Lower 0.2 (I _o =200mA)	PWM	—	1 : 10	VSON101X3030
BD69730FV	4.3 to 17.0	10	Pre-Driver	—	DC/PWM	1.26	1 : 20	SSOP-B16
BD69740FV	4.3 to 17.0	10	Pre-Driver	—	DC/PWM	1.26	1 : 20	SSOP-B16
BD61250MUV	4.5 to 36.0	10	Pre-Driver	—	DC/PWM	—	1 : 20	VQFN024V4040
BD61251FV	4.5 to 16.0	10	Pre-Driver	—	PWM	—	1 : 20	SSOP-B16

双相半波风扇电机驱动器

BA6406F	24V MIN PRE DRIVER	LOCK, ALARM
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Part No.	Supply Voltage (V)	I _o Max (mA)	Power Transistor	Output Saturation Voltage (V)	Speed Control	Hall Bias Voltage (V)	Zener Diode Clamp Voltage (V)	Output Clamp Voltage (V)	Lock Time Ratio	Package
BA6406F	4.0 to 28.0	70	Pre-Driver	—	—	—	—	—	1 : 4.5	SOP8

三相全波风扇电机驱动器

BD67173NUX	5V MIN 400 CLASS (Small PKG)	SENSOR LESS DRIVE, PWM 150°, FG FULL, T.S.D, LOCK, RPM PULSE
BD6326ANUX	5V MIN 400 CLASS (Small PKG)	SENSOR LESS DRIVE, PWM 180°, FG FULL, T.S.D, LOCK, RPM PULSE
BD63282EFV	12V MIN 400 CLASS	THREE HALL DRIVE, PWM 180°, FG FULL, T.S.D, LOCK, RPM PULSE, IO LIMIT, SOFT START
BD63242EFV	12V MIN 450 CLASS	SENSOR LESS DRIVE, PWM 180°, FG FULL, T.S.D, LOCK, RPM PULSE, IO LIMIT, MIN rpm
BD63242FV	12V MIN 400 CLASS	SENSOR LESS DRIVE, PWM 180°, FG FULL, T.S.D, LOCK, RPM PULSE, IO LIMIT, MIN rpm
BD63241FV	12V MIN 400 CLASS	ONE HALL DRIVE, PWM 180°, FG FULL, T.S.D, LOCK, RPM PULSE, IO LIMIT, SOFT START
BD63251MUV	12V MIN PRE DRIVER (Small PKG)	ONE HALL DRIVE, PWM 180°, FG FULL, T.S.D, LOCK, RPM PULSE, IO LIMIT, SOFT START, MIN rpm

Part No.	Supply Voltage (V)	I _o Max (mA)	Power Transistor	Output Saturation Voltage (V)	Speed Control	Hall Bias Voltage (V)	Lock Time Ratio	Package
BD67173NUX	2.2 to 5.5	700	CMOS	Upper and Lower 0.25 (I _o =250mA)	PWM	—	1 : 5	VSON101X3030
BD6326ANUX	2.2 to 5.5	700	CMOS	Upper and Lower 0.25 (I _o =250mA)	PWM	—	1 : 5	VSON101X3030
BD63282EFV	5.0 to 16.0	1,000	DMOS	Upper and Lower 0.3 (I _o =300mA)	DC/PWM	—	1 : 2, 1 : 5, 1 : 10	HTSSOP-B20
BD63242EFV	5.0 to 16.0	1,000	DMOS	Upper and Lower 0.3 (I _o =300mA)	DC/PWM	—	Setting of SOS-C-pin	HTSSOP-B16
BD63242FV	5.0 to 16.0	1,000	DMOS	Upper and Lower 0.3 (I _o =300mA)	DC/PWM	—	Setting of SOS-C-pin	SSOP-B16
BD63241FV	5.0 to 16.0	1,000	DMOS	Upper and Lower 0.24 (I _o =300mA)	PWM	1.25	1 : 5	SSOP-B16
BD63251MUV	5.5 to 15.0	10	Pre-Driver	—	PWM	1.25	1 : 10	VQFN024V4040

图标说明
5V MIN 电源电压兼容
12V MIN 电源电压兼容
24V MIN 电源电压兼容
350 CLASS 稳定旋转时能够流向电机的电流估计值
400 CLASS 稳定旋转时能够流向电机的电流估计值
450 CLASS 稳定旋转时能够流向电机的电流估计值
800 CLASS 稳定旋转时能够流向电机的电流估计值
PRE DRIVER 有助于软开关、静音
ONE HALL DRIVE 驱动1个用于检测电机转子位置的霍尔传感器的方式
THREE HALL DRIVE 驱动3个用于检测电机转子位置的霍尔传感器的方式
SOFT SW 有助于软开关、静音
SMALL PKG 小型表面安装封装
PWM 150° 输出通断方式
PWM 180° 输出通断方式
FG FULL RPM脉冲信号输出
HALL 内置霍尔元件用电源电压
SENSOR LESS DRIVE 无需霍尔传感器检测电机转子位置的驱动方式
IO LIMIT 可控制速度
MIN rpm 可控制速度
START SUP 可控制速度
T.S.D 可控制速度
LOCK 可控制速度
ALARM 可控制速度

三相无刷风扇电机驱动器 家电用

BM6241FS		
BM6242FS		
BM6243FS		
BM6244FS		
BM6245FS		
BM6246FS		
BM6247FS		
BM6248FS		
BM6249FS		
BM6258FS		

Part No.	Control	Output Device	Rated Voltage (V)	Output Current (A)	Output ON Resistance (Ω)	Diode Forward Voltage (V)	FG Conversion Ratio	Package
BM6241FS	6 inputs	MOSFET	250	2.0	0.9	0.9	12:12	SSOP-A54_23
BM6242FS	6 inputs	MOSFET	600	1.5	2.7	1.1	12:12	SSOP-A54_23
BM6243FS	6 inputs	MOSFET	600	2.5	1.7	1.1	12:12	SSOP-A54_23
BM6244FS	120°	MOSFET	250	2.0	0.9	0.9	12:12	SSOP-A54_36A
BM6245FS	120°	MOSFET	600	1.5	2.7	1.1	12:12	SSOP-A54_36A
BM6246FS	120°	MOSFET	600	2.5	1.7	1.1	12:12	SSOP-A54_36A
BM6247FS	180° (Sinusoidal)	MOSFET	250	2.0	0.9	0.9	12:12	SSOP-A54_36A
BM6248FS	180° (Sinusoidal)	MOSFET	600	1.5	2.7	1.1	12:12	SSOP-A54_36A
BM6249FS	180° (Sinusoidal)	MOSFET	600	2.5	1.7	1.1	12:12	SSOP-A54_36A
BM6258FS	180° (Sinusoidal)	MOSFET	600	1.5	2.7	1.1	15:12	SSOP-A54_36A

三相无刷风扇电机控制器 家电用

Part No.	Supply Voltage (V)	Commutation Logic	Control Voltage Input (V)	Phase Control (deg)	FG Conversion Ratio	Package
New BD62012BFS	10.0 to 18.0	150°	2.1 to 5.4	0 to +30	12 : 12	SSOP-A24
New BD62017BFS	10.0 to 18.0	180° (Sinusoidal)	2.1 to 5.4	0 to +40	15 : 12	SSOP-A24
New BD62018BFS	10.0 to 18.0	180° (Sinusoidal)	2.1 to 5.4	0 to +40	12 : 12	SSOP-A24

脉冲率转换器

Part No.	Supply Voltage (V)	Circuit Current (mA)	Input Frequency (kHz)	Conversion Ratio	Package
BU6821G	4.5 to 5.5	0.5	0.005 to 5	15 : 12	SSOP5
BU6823G	4.5 to 5.5	0.5	0.005 to 5	21 : 12	SSOP5

不需要电机锁定检测所需的外部电容器
 电机锁定检测功能
 锁定警报信号输出
 最小转动速度设定
 低占空比状态下可以启动电机
 内置温度保护电路
 可设定输出电流限制值
 软启动功能
 内置逆接连接器时防止IC破坏的二极管
 耐压
 最大输出电流
 内置低电压保护电路
 内置过电流保护电路

打印机用驱动器

打印机用有刷电机驱动器

Part No.	Supply Voltage (V)	Output Current (A)	Output Current Peak (A)	Circuit Current (mA)	Input Threshold Voltage (V)		Output ON Resistance (Ω)	Package
					H Level	L Level		
BD62210AEFV	8.0 to 28.0	1.0	1.5	2.5	2.0	0.8	1.9	HTSSOP-B28
BD62220AEFV	8.0 to 28.0	2.0	2.8	2.5	2.0	0.8	0.65	HTSSOP-B28
BD63130AFM	8.0 to 46.2	3.0	5.0	2.5	2.0	0.8	0.55	HSOP-M36
BD63150AFM	8.0 to 46.2	5.0	6.0	2.5	2.0	0.8	0.3	HSOP-M36

纸传送或运输用双极型 步进电机驱动器

还备有其它可用于打印机和工业设备的步进电机驱动器。

Part No.	Power Supply (V)	Output Current (A)	Circuit Current (mA)	Input Threshold Voltage (V)		Output ON Resistance (Ω)	Package
				High Level	Low Level		
BD63801EFV	19.0 to 28.0	0.8	2.7	2.0	0.8	2.8	HTSSOP-B24
BD68715EFV	19.0 to 28.0	1.5	2.0	2.0	0.8	0.95	HTSSOP-B28
BD63715AEFV	19.0 to 28.0	1.5	2.0	2.0	0.8	0.95	HTSSOP-B28

纸传送用三相无刷电机预驱动器 面向LBP、PPC

Part No.	V _{CC} (V)	Power Supply (V)	Operating Temperature (°C)	Circuit Current (mA)	Input Threshold Voltage (V)		External Threshold Voltage (V)		PWM Frequency (kHz)	Package
					H Level	L Level	Upper	Lower		
BD6761FS	36	16.0 to 28.0	-35 to +75	15.0	2.2	0.8	V _{CC} +6	10.5	15	SSOP-A32
BD6762FV	36	16.0 to 28.0	-25 to +75	17.0	2.2	0.8	V _{CC} +6.8	10.8	16	SSOP-B40

内置开关稳压器的系统电机驱动器(H桥+SWREG 2ch)

Part No.	V _{CC} (V)	Motor Rated Output Current	H Bridge ch	SW REG1 Output Current Range (A)	SW REG2 Output Current Range (A)	Standby Current (μA) (Max)	Package
BD64547MUV	50	2.0 A/Phase	2	0 to 2.0	0 to 1.4	100	VQFN048V7070
BD64008MUV	50	2.0 A/Phase	1 (2ch parallel use)	0 to 2.0	0 to 1.4	100	VQFN048V7070

多棱镜用三相无刷电机驱动器 面向LBP、PPC：输出电流限值为电流限制电压除以外接输出电流检测用电阻 (RNF电阻) 的值。
打印机用有刷电机驱动器：BD62210AEFV和BD62220AEFV引脚兼容。

相机用驱动器

相机用5ch系统镜头驱动器

Part No.	Supply Voltage (V)	Driver Output Max Current (A)	Drive Method Examples of Actuator (Driven Motor, Driving System, and Output ON Resistance (Ω))				Input I/F	Reference Voltage Output for Output Setting Current (V)	Package (mm)
			AF	Zoom	Iris	Shutter			
BD6758KN	2.5 to 5.5	0.8	e.g. STM (1, 2ch) FULL ON 1.2	DCM (3ch) FULL ON 1.2	DCM or VCM (4ch) FULL ON 1.2	VCM (5ch) Constant current 1.0	Parallel	1.2 (±3%)	VQFN36 6.2×6.2, H=Max 0.95

相机用6ch系统镜头驱动器

Part No.	Supply Voltage (V)	Driver Output Max Current (A)	Drive Method Examples of Actuator (Driven Motor, Driving System, and Output ON Resistance (Ω))					Input I/F	Reference Voltage Output For Output Setting Current (V)	Package (mm)
			AF	Zoom	Iris	Shutter	Barrier			
BD6373GW	2.5 to 5.5	0.8	e.g. STM (1, 2ch) FULL ON 1.2	STM (3, 4ch) FULL ON 1.2	DCM or VCM (5ch) FULL ON 1.2	VCM (6ch) FULL ON 1.2	Parallel	—	UCSP75M2 2.6×2.6, H=Max 0.85	
BD6753KV	4.5 to 10.5 (1, 2ch) 2.0 to 10.5 (3 to 6ch)	0.8	e.g. STM (1, 2ch) FULL ON 1.2	STM (3, 4ch) FULL ON 1.2	DCM or VCM (5ch) PWM (±3%) 1.2	VCM (6ch) PWM (±3%) 1.2	Parallel + Serial	0.9 (±10%)	VQFP48C 9.0×9.0, H=Max 1.60	

相机用1ch/2ch镜头驱动器												
Part No.	ch	Supply Voltage (V)	Driver Output Max Current (A)	Drive Method Examples of Actuator (Driven Motor, Driving System, and Output ON Resistance (Ω))					Turn on Time	Turn off Time (ns)	Control Frequency (kHz) (Max)	Package (mm)
				Cleaner	AF	Zoom	Iris	Shutter				
BD65492MUV	2	1.8 to 16.0	1.0	e.g. —	STM (2ch) FULL ON 0.9	—	—	—	200ns (Including 80ns to Prevent from overlap current.)	80	500	VQFN024V4040 4.0x4.0, H=Max 1.0
BD6735FV	2	2.0 to 8.0	1.0	e.g. —	—	—	STM (2ch) FULL ON 1.0	—	300ns (Including 90ns to Prevent from overlap current.)	100	100	SSOP-B20 6.5x6.4, H=Max 1.25
BD6376GUL	1	2.0 to 9.0	1.0	e.g. —	—	DCM (1ch) FULL ON 0.45	—	—	200ns (Including 80ns to Prevent from overlap current.)	60	200	VCSP50L1 1.6x1.6, H=Max 0.55
BD65491FV	1	1.8 to 16.0	1.2 Peak 4.0	e.g. —	—	—	—	Plunger (1ch) FULL ON 0.35	150ns (Including 80ns to Prevent from overlap current.)	50	500	SSOP-B16 6.5x5.0, H=Max 1.25
BD6736FV	1	2.0 to 9.0	1.0 Peak 3.2	e.g. —	—	—	—	Plunger (1ch) FULL ON 0.35	1000ns (Including 800ns to Prevent from overlap current.)	100	100	SSOP-B20 6.5x6.4, H=Max 1.25
BD65499MUV	1	4.0 to 27.0	0.5 Peak 2.0	e.g. Piezo (1ch) FULL ON 0.6	—	—	—	—	150ns (Including 80ns to Prevent from overlap current.)	50	300	VQFN028V5050 5.0x5.0, H=Max 1.0
BD65494MUV	1	2.0 to 9.0	1.0 Peak 2.5	e.g. —	—	—	—	Plunger (1ch) FULL ON 0.55	200ns (Including 80ns to Prevent from overlap current.)	60	200	VQFN016V3030 3.0x3.0, H=Max 1.0
BD65496MUV	1	1.8 to 16.0	1.2 Peak 5.0	e.g. —	—	—	—	Plunger (1ch) FULL ON 0.35	150ns (Including 80ns to Prevent from overlap current.)	50	500	VQFN024V4040 4.0x4.0, H=Max 1.0

STM : 步进电机, DCM : DC 电机, VCM : 音圈电机 (" Drive method examples of actuator " 为代表例, 可研讨其他使用方法。)

相机用支持μ-step的系统镜头驱动器											
Part No.	Supply Voltage (V)	Driver Output Max Current (A)	Drive Method Examples of Actuator (Driven Motor, Driving System, and Output ON Resistance (Ω))					Input I/F	μ-step Resolution	Package (mm)	
			AF	Zoom	Iris	Shutter	Others				
BU24020GU	2.7 to 3.6 (Logic) 2.7 to 5.5 (Driver)	0.5	e.g. 1	STM (1, 2ch) μ-step (class-D) 1.5	STM (3, 4ch) μ-step (class-D) 1.5	—	—	—	3-wire serial	1024	VCSP85H2 2.6x2.6, H=Max 1.0
			e.g. 2	—	DCM (3ch) FULL ON (PWM) 1.5	VCM (4ch) FULL ON (PWM) 1.5	—				
BU24033GW	1.62 to 3.6 (Io) 2.7 to 3.6 (Logic) 2.7 to 5.5 (Driver)	0.5/0.6	e.g. 1	STM (1, 2ch) μ-step (class-D) 1.5	STM (3, 4ch) μ-step (class-D) 1.5	VCM (5ch) FULL ON (PWM) 1.0	VCM (6ch) constant current 1.0	—	3-wire serial	1024	UCSP75M3 3.0x3.0, H=Max 0.85
			e.g. 2	—	DCM (5ch) FULL ON (PWM+Speed control) 1.0	VCM (3ch) FULL ON (PWM) 1.5		DCM (4ch) FULL ON (PWM) 1.5			
BU24035GW	2.7 to 3.6 (Logic) 2.7 to 5.5 (Driver)	0.5/0.6	e.g. 1	STM (1, 2ch) μ-step (class-D) 1.5	DCM (5ch) FULL ON (PWM+Speed control) 1.0	STM (3, 4ch) μ-step (class-D) 1.5	VCM (6ch) constant current 1.0	—	3-wire serial	1024	UCSP75M3 3.1x3.1, H=Max 0.85
			e.g. 2	—	DCM (3ch) FULL ON (PWM+Speed control) 1.5	VCM (5ch) FULL ON (PWM)/ constant current 1.0		VCM (4ch) FULL ON (PWM) 1.5			
BU24036MWV	2.7 to 3.6 (Logic) 2.7 to 5.5 (Driver)	0.5/0.6	e.g. 1	STM (1, 2ch) μ-step (class-D) 2.0	DCM (5ch) FULL ON (PWM+Speed control) 1.0	STM (3, 4ch) μ-step (class-D) 1.5	VCM (6ch) constant current 1.0	—	3-wire serial	1024	UQFN040V5050 5.0x5.0, H=Max 1.0
			e.g. 2	—	DCM (3ch) FULL ON (PWM+Speed control) 1.5	VCM (5ch) FULL ON (PWM)/ constant current 1.0		VCM (4ch) FULL ON (PWM) 1.5			

STM : 步进电机, DCM : DC 电机, VCM : 音圈电机 (" Drive method examples of actuator " 为代表例, 可研讨其他使用方法。)

便携式相机模块用驱动器

单向型音圈电机用两线串行(I²C-Compatible)接口镜头驱动器

Part No.	Supply Voltage (V)	Applications	ch	Drive System	Driver Output Max Current (mA)	Driver Output Low Voltage (V)	Input I/F	Ring Compensation	Temperature Protection	Back side coating	Package (mm)
BU64243GWZ	2.3 to 4.8	Drive AF using voice coil motor	0.25	Constant current (±10%)	130	0.15 (V _{CC} =3V, I _O =100mA)	I ² C Fm compatible	ISRC	✓	with	UCSP35L1 0.77x1.3, H=Max 0.40
BU64244GWZ	2.3 to 4.8	Drive AF using voice coil motor	0.25	Constant current (±10%)	130	0.15 (V _{CC} =3V, I _O =100mA)	I ² C Fm compatible	ISRC	✓	with	UCSP35L1 0.77x1.3, H=Max 0.36
BU64291GWZ	2.3 to 4.8	Drive AF using voice coil motor	0.5	Constant current (±5%)	100	0.25 (V _{CC} =3V, I _O =100mA)	I ² C Fm compatible	ISRC	✓	without	UCSP30L1 0.77x1.37, H=Max 0.33
BU64292GWZ	2.5 to 3.6	Drive AF using voice coil motor	0.25	Constant current (±5%)	125	0.28 (V _{DD} =3V, I _O =100mA)	I ² C Fm+ compatible	ISRC	✓	without	UCSP25L1 0.68x1.08, H=Max 0.30
BU64982GWZ	2.5 to 3.6	Drive AF using voice coil motor	0.25	Constant current (±5%)	125	0.28 (V _{DD} =3V, I _O =100mA)	I ² C Fm+ compatible	ISRC	✓	with	UCSP30L1A 0.68x1.08, H=Max 0.33

双向型音圈电机用两线串行(I²C-Compatible)接口镜头驱动器

Part No.	Supply Voltage (V)	Applications	ch	Drive System	Driver Output Max Current (A)	Driver Output ON Resistance (Ω)	Input I/F	Ring Compensation	Temperature Protection	Back side coating	Package (mm)
BU64295GWZ	2.3 to 4.8	Drive AF using voice coil motor	1	Constant current (±5%)	±100	2.0 (V _{DD} =3V)	I ² C Fm compatible	ISRC	✓	without	UCSP30L1 0.77x1.2, H=Max 0.33
BU64296GWX	2.3 to 4.8	Drive AF using voice coil motor	1	Constant current (±5%)	±100	2.0 (V _{DD} =3V)	I ² C Fm compatible	ISRC	✓	without	UCSP16X1 0.77x1.2, H=Max 0.20
BU64297GWZ	2.3 to 4.8	Drive AF using voice coil motor	1	Constant current (±5%)	±100	2.0 (V _{DD} =3V)	I ² C Fm compatible	ISRC	✓	with	UCSP35L1 0.77x1.2, H=Max 0.36
BU64253GWZ	2.5 to 4.5	Drive AF using voice coil motor	1	Constant current (±5%)	±100	3.2 (V _{DD} =3V)	I ² C Fm+ compatible	ISRC	✓	with	UCSP30L1A 0.72x1.13, H=Max 0.33
BU64985GWZ	1.6 to 1.98	Drive AF using voice coil motor	1	Constant current (±5%)	±60	1.3 (V _{DD} =1.8V)	I ² C Fm+ compatible	ISRC	✓	with	UCSP35L1 0.77x1.2, H=Max 0.36
BU64987GWZ	1.6 to 1.98	Drive AF using voice coil motor	1	Constant current (±5%)	±100	1.3 (V _{DD} =1.8V)	I ² C Fm+ compatible	ISRC	✓	with	UCSP35L1 0.77x1.2, H=Max 0.36

压电执行机构用两线串行(I²C-Compatible)接口镜头驱动器

Part No.	Supply Voltage (V)	Applications	ch	Drive System	Driver Output Max Current (mA)	Driver Output ON Resistance (Ω)	Input I/F	Base Clock	Temperature Protection	Power Save Function	Back side coating	Package (mm)
	V _{CC}											
BU64562GWZ	2.3 to 4.8	e.g. 1	1	FULL ON	500	1.4 (V _{CC} =3V)	I ² C Fm compatible	Built-in 15MHz	✓	✓	without	UCSP30L1 1.90x0.77, H=Max 0.33
		e.g. 2										

步进电机用并行接口镜头驱动器

Part No.	Supply Voltage (V)	Applications	ch	Drive System	Driver Output Max Current (mA)	Driver Output ON Resistance (Ω)	Input I/F	Input Mode Selection Terminal	Built-In Wave Sloping Comparator	Temperature Protection	Power Save Function	Back side coating	Package (mm)
BD6360GUL	2.3 to 5.5	e.g. 1	2	FULL ON	500	1.0 (V _{CC} =3V, I _O =0.4A)	Parallel	✓	✓	✓	✓	with	VCSP50L2 2.1x2.1, H=Max 0.55
		e.g. 2											