

运算放大器/比较器

运算放大器 

P.13

比较器 

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 点击图标即可链接至罗姆官网的产品介绍页面。可通过官网确认最新情况。

运算放大器

高性能(具有多个特点的产品)	P.13	低偏置(输入偏置电压 $\leq 2.5\text{mV}$)	P.14
低噪声(输入电压噪声密度 $\leq 20\text{nV}/\sqrt{\text{Hz}}$)	P.14	高速($\text{GBW} \geq 5\text{MHz}$)	P.15
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比较器

通用	P.19	高速	P.20
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运算放大器

高性能(具有多个特点的产品)

车载用 轨到轨输入输出 高性能运算放大器

Part No.	ch	Supply Voltage (V)	Circuit Current (Typ) (mA)	Input Offset Voltage (Max) (mV)	Input Bias Current (Typ) (nA)	Output Current (Typ) (mA)	Input Voltage (V)	Output Voltage (V)	Voltage Gain (Typ) (dB)	CMRR (Typ) (dB)	PSRR (Typ) (dB)	Slew Rate (Typ) (V/ μs)	GBW (Typ) (MHz)	Equivalent Input Noise Voltage (Typ) (nV/ $\sqrt{\text{Hz}}$)	Operating temperature ($^{\circ}\text{C}$)	Package	Part No. Suffix	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
New LMR376Y	1	2.5 to 5.5	0.85	0.19	0.0005	55	V_{SS} to V_{DD}	$V_{\text{SS}}+0.005$ to $V_{\text{DD}}-0.007$	140	100	110	1.1	3.2	5.5	-40 to +125	SSOP5	G-C	FSs	YES
Nano BD7280Y	1	2.5 to 5.5	1.7	1.6	0.0005	50	V_{SS} to V_{DD}	$V_{\text{SS}}+0.010$ to $V_{\text{DD}}-0.010$	115	100	100	10	7	12	-40 to +125	SSOP6	G-C	FSs	YES
Nano BD7281Y	1	2.5 to 5.5	1.7	1.6	0.0005	50	V_{SS} to V_{DD}	$V_{\text{SS}}+0.010$ to $V_{\text{DD}}-0.010$	115	100	100	10	7	12	-40 to +125	SSOP5	G-C	FSs	YES
TLR376Y	1	2.5 to 5.5	0.645	0.15	0.0005	50	V_{SS} to V_{DD}	$V_{\text{SS}}+0.015$ to $V_{\text{DD}}-0.025$	137	100	95	2	4	8	-40 to +125	SSOP5	G-C	FSs	YES
TLR2376Y	2	2.5 to 5.5	1.245	0.15	0.0005	50	V_{SS} to V_{DD}	$V_{\text{SS}}+0.015$ to $V_{\text{DD}}-0.025$	137	100	95	2	4	8	-40 to +125	MSOP8 SOP-J8	FVM-C FJ-C	FSs	YES
TLR4376Y	4	2.5 to 5.5	2.49	0.15	0.0005	50	V_{SS} to V_{DD}	$V_{\text{SS}}+0.015$ to $V_{\text{DD}}-0.025$	137	100	95	2	4	8	-40 to +125	SSOP-B14	FV-C	FSs	YES
TLR377Y	1	2.5 to 5.5	0.645	1.2	0.0005	50	V_{SS} to V_{DD}	$V_{\text{SS}}+0.015$ to $V_{\text{DD}}-0.025$	137	100	95	2	4	8	-40 to +125	SSOP5	G-C	FSs	YES
TLR2377Y	2	2.5 to 5.5	1.245	1.2	0.0005	50	V_{SS} to V_{DD}	$V_{\text{SS}}+0.015$ to $V_{\text{DD}}-0.025$	137	100	95	2	4	8	-40 to +125	MSOP8 SOP-J8	FVM-C FJ-C	FSs	YES
TLR4377Y	4	2.5 to 5.5	2.49	1.2	0.0005	50	V_{SS} to V_{DD}	$V_{\text{SS}}+0.015$ to $V_{\text{DD}}-0.025$	137	100	95	2	4	8	-40 to +125	SSOP-B14	FV-C	FSs	YES

车载用 高性能运算放大器

Part No.	ch	Supply Voltage (V)	Circuit Current (Typ) (mA)	Input Offset Voltage (Max) (mV)	Input Bias Current (Typ) (nA)	Output Current (Typ) (mA)	Input Voltage (V)	Output Voltage (V)	Voltage Gain (Typ) (dB)	CMRR (Typ) (dB)	PSRR (Typ) (dB)	Slew Rate (Typ) (V/ μs)	GBW (Typ) (MHz)	Equivalent Input Noise Voltage (Typ) (nV/ $\sqrt{\text{Hz}}$)	Operating temperature ($^{\circ}\text{C}$)	Package	Part No. Suffix	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
LMR1802Y	1	2.5 to 5.5	1.1	0.45	0.0005	3.5	V_{SS} to $V_{\text{DD}}-1.0$	$V_{\text{SS}}+0.004$ to $V_{\text{DD}}-0.007$	140	105	125	1.1	4.4	2.9	-40 to +125	SSOP5	G-C	FSs	YES
LMR1801Y	1	2.2 to 5.5	0.95	0.95	0.0005	3.5	V_{SS} to $V_{\text{DD}}-1.0$	$V_{\text{SS}}+0.003$ to $V_{\text{DD}}-0.007$	140	100	110	2.5	6	5	-40 to +125	SSOP5	G-C	FSs	YES
LMR1803Y	1	2.2 to 5.5	1	0.15	0.0005	3.5	V_{SS} to $V_{\text{DD}}-1.0$	$V_{\text{SS}}+0.003$ to $V_{\text{DD}}-0.007$	140	100	110	2.5	6	5	-40 to +125	SSOP5	G-C	FSs	YES

轨到轨输入输出 高性能运算放大器

Part No.	ch	Supply Voltage (V)	Circuit Current (Typ) (mA)	Input Offset Voltage (Max) (mV)	Input Bias Current (Typ) (nA)	Output Current (Typ) (mA)	Input Voltage (V)	Output Voltage (V)	Voltage Gain (Typ) (dB)	CMRR (Typ) (dB)	PSRR (Typ) (dB)	Slew Rate (Typ) (V/ μs)	GBW (Typ) (MHz)	Equivalent Input Noise Voltage (Typ) (nV/ $\sqrt{\text{Hz}}$)	Operating temperature ($^{\circ}\text{C}$)	Package	Part No. Suffix
Nano BD7282	2	2.5 to 5.5	3.4	1.6	0.0005	50	V_{SS} to V_{DD}	$V_{\text{SS}}+0.010$ to $V_{\text{DD}}-0.010$	115	100	100	10	7	12	-40 to +125	MSOP8	FVM-LB
Nano BD7284	4	2.5 to 5.5	6.8	1.6	0.0005	50	V_{SS} to V_{DD}	$V_{\text{SS}}+0.010$ to $V_{\text{DD}}-0.010$	115	100	100	10	7	12	-40 to +125	SOP14	F-LB
TLR377	1	2.5 to 5.5	0.585	1.4	0.0005	50	V_{SS} to V_{DD}	$V_{\text{SS}}+0.015$ to $V_{\text{DD}}-0.025$	137	100	95	2	4	12	-40 to +125	HVSOF5	HFV-LB
BD5291	1	1.7 to 5.5	0.65	2.5	0.001	17	V_{SS} to V_{DD}	$V_{\text{SS}}+0.1$ to $V_{\text{DD}}-0.1$	110	90	90	2.5	3.2	18	-40 to +85	SSOP5 VSOF5 UCSP50L1	G FVE GWL

高性能运算放大器

Part No.	ch	Supply Voltage (V)	Circuit Current (Typ) (mA)	Input Offset Voltage (Max) (mV)	Input Bias Current (Typ) (nA)	Output Current (Typ) (mA)	Input Voltage (V)	Output Voltage (V)	Voltage Gain (Typ) (dB)	CMRR (Typ) (dB)	PSRR (Typ) (dB)	Slew Rate (Typ) (V/ μs)	GBW (Typ) (MHz)	Equivalent Input Noise Voltage (Typ) (nV/ $\sqrt{\text{Hz}}$)	Operating temperature ($^{\circ}\text{C}$)	Package	Part No. Suffix
LMR1802	1	2.5 to 5.5	1.1	0.45	0.0005	3.5	V_{SS} to $V_{\text{DD}}-1.0$	$V_{\text{SS}}+0.005$ to $V_{\text{DD}}-0.007$	140	105	125	1.1	3	2.9	-40 to +125	SSOP5	G-LB
LMR1801	1	2.2 to 5.5	0.95	0.9	0.0005	3.5	V_{SS} to $V_{\text{DD}}-1.0$	$V_{\text{SS}}+0.005$ to $V_{\text{DD}}-0.007$	140	100	125	2.5	6	5	-40 to +125	SSOP5 HVSOF5	G-LB HFV-LB
LMR1803	1	2.2 to 5.5	1	0.15	0.0005	3.5	V_{SS} to $V_{\text{DD}}-1.0$	$V_{\text{SS}}+0.003$ to $V_{\text{DD}}-0.007$	140	100	110	2.5	6	5	-40 to +125	SSOP5	G-LB

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*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

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低偏置(输入偏置电压 $\leq 2.5\text{mV}$)

车载用 轨到轨输入输出 低偏置运算放大器

Part No.	ch	Supply Voltage (V)	Circuit Current (Typ) (mA)	Input Offset Voltage (Max) (mV)	Input Bias Current (Typ) (nA)	Output Current (Typ) (mA)	Input Voltage (V)	Output Voltage (V)	Voltage Gain (Typ) (dB)	CMRR (Typ) (dB)	PSRR (Typ) (dB)	Slew Rate (Typ) (V/ μs)	GBW (Typ) (MHz)	Equivalent Input Noise Voltage (Typ) (nV/ $\sqrt{\text{Hz}}$)	Operating temperature ($^{\circ}\text{C}$)	Package	Part No. Suffix	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
New LMR1001Y	1	2.7 to 5.5	0.85	0.012	0.15	35	V_{SS} to V_{DD}	$V_{\text{SS}}+0.010$ to $V_{\text{DD}}-0.020$	145	130	115	1.3	1.5	70	-40 to +125	SOP8	F-C	FSs	YES

轨到轨输入输出 低偏置运算放大器

Part No.	ch	Supply Voltage (V)	Circuit Current (Typ) (mA)	Input Offset Voltage (Max) (mV)	Input Bias Current (Typ) (nA)	Output Current (Typ) (mA)	Input Voltage (V)	Output Voltage (V)	Voltage Gain (Typ) (dB)	CMRR (Typ) (dB)	PSRR (Typ) (dB)	Slew Rate (Typ) (V/ μs)	GBW (Typ) (MHz)	Equivalent Input Noise Voltage (Typ) (nV/ $\sqrt{\text{Hz}}$)	Operating temperature ($^{\circ}\text{C}$)	Package	Part No. Suffix
New BD87522	2	4 to 15	3.95	1	0.001	16.5	V_{SS} to V_{DD}	$V_{\text{SS}}+0.03$ to $V_{\text{DD}}-0.05$	110	85	90	2.4	—	50	-40 to +125	SSOP-B14	FV-LB
New BD87524	4	4 to 15	7.9	1	0.001	16.5	V_{SS} to V_{DD}	$V_{\text{SS}}+0.03$ to $V_{\text{DD}}-0.05$	110	85	90	2.4	—	50	-40 to +125	SSOP-B14	FV-LB

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*1 “ComfySIL™ 功能安全类别” 的详情请参阅封二。

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低噪声(输入电压噪声密度 $\leq 20\text{nV}/\sqrt{\text{Hz}}$)

车载用 低噪声运算放大器

Part No.	ch	Supply Voltage (V)	Circuit Current (Typ) (mA)	Input Offset Voltage (Max) (mV)	Input Bias Current (Typ) (nA)	Output Current (Typ) (mA)	Input Voltage (V)	Output Voltage (V)	Voltage Gain (Typ) (dB)	CMRR (Typ) (dB)	PSRR (Typ) (dB)	Slew Rate (Typ) (V/ μs)	GBW (Typ) (MHz)	Equivalent Input Noise Voltage (Typ) (nV/ $\sqrt{\text{Hz}}$)	Operating temperature ($^{\circ}\text{C}$)	Package	Part No. Suffix	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BA4580Y	2	4 to 32	6	3	100	—	$V_{\text{EE}}+1.5$ to $V_{\text{CC}}-1.5$	$V_{\text{EE}}+1.5$ to $V_{\text{CC}}-1.5$	110	110	110	5	10	5	-40 to +105	SOP8 MSOP8	F-M FVM-M	FSs	YES YES
BA4584Y	4	4 to 32	11	3	100	—	$V_{\text{EE}}+1.5$ to $V_{\text{CC}}-1.5$	$V_{\text{EE}}+1.5$ to $V_{\text{CC}}-1.5$	110	110	110	5	10	5	-40 to +105	SSOP-B14	FV-M	FSs	YES
BA4560Y	2	8 to 30	3	6	50	25	$V_{\text{EE}}+1.0$ to $V_{\text{CC}}-1.0$	$V_{\text{EE}}+1.0$ to $V_{\text{CC}}-1.0$	100	90	90	4	4	8	-40 to +105	SOP8 SSOP-B8 MSOP8	F-M FV-M FVM-M	FSs	YES YES YES
BA4558Y	2	8 to 30	3	6	60	—	$V_{\text{EE}}+1.0$ to $V_{\text{CC}}-1.0$	$V_{\text{EE}}+1.0$ to $V_{\text{CC}}-1.0$	100	90	90	1	2	12	-40 to +105	SOP8 SSOP-B8 MSOP8	F-M FV-M FVM-M	FSs	YES YES YES

轨到轨输入输出 低噪声运算放大器

Part No.	ch	Supply Voltage (V)	Circuit Current (Typ) (mA)	Input Offset Voltage (Max) (mV)	Input Bias Current (Typ) (nA)	Output Current (Typ) (mA)	Input Voltage (V)	Output Voltage (V)	Voltage Gain (Typ) (dB)	CMRR (Typ) (dB)	PSRR (Typ) (dB)	Slew Rate (Typ) (V/ μs)	GBW (Typ) (MHz)	Equivalent Input Noise Voltage (Typ) (nV/ $\sqrt{\text{Hz}}$)	Operating temperature ($^{\circ}\text{C}$)	Package	Part No. Suffix
BD12730	1	1.8 to 5.5	0.32	5	50	5	GND to V_{+}	GND+0.05 to $V_{+}-0.05$	85	70	85	0.4	1	10	-40 to +85	SSOP5	G
BD12732	2	1.8 to 5.5	0.58	5	50	5	GND to V_{+}	GND+0.05 to $V_{+}-0.05$	85	70	85	0.4	1	10	-40 to +85	SOP8 SOP-J8 SSOP-B8 TSSOP-B8J MSOP8 TSSOP-B8	F FJ FV FVJ FVM FVT
BD12734	4	1.8 to 5.5	1.2	5	50	5	GND to V_{+}	GND+0.05 to $V_{+}-0.05$	85	70	85	0.4	1	10	-40 to +85	SOP14 SOP-J14 SSOP-B14 TSSOP-B14J	F FJ FV FVJ

低噪声运算放大器

Part No.	ch	Supply Voltage (V)	Circuit Current (Typ) (mA)	Input Offset Voltage (Max) (mV)	Input Bias Current (Typ) (nA)	Output Current (Typ) (mA)	Input Voltage (V)	Output Voltage (V)	Voltage Gain (Typ) (dB)	CMRR (Typ) (dB)	PSRR (Typ) (dB)	Slew Rate (Typ) (V/ μs)	GBW (Typ) (MHz)	Equivalent Input Noise Voltage (Typ) (nV/ $\sqrt{\text{Hz}}$)	Operating temperature ($^{\circ}\text{C}$)	Package	Part No. Suffix
LM4565	2	4 to 36	4.5	1.5	70	130	$V_{\text{EE}}+1.0$ to $V_{\text{CC}}-1.0$	$V_{\text{EE}}+1.0$ to $V_{\text{CC}}-1.0$	100	100	100	5	10	5	-40 to +85	SOP8 SOP-J8 SSOP-B8 TSSOP-B8 MSOP8 TSSOP-B8J	F FJ FV FVT FVM FVJ
LM4559	2	8 to 36	3.3	1.5	40	—	$V_{\text{EE}}+2.0$ to $V_{\text{CC}}-2.0$	$V_{\text{EE}}+2.0$ to $V_{\text{DD}}-2.0$	110	100	100	3.5	4	5	-40 to +85	SOP8 SOP-J8 SSOP-B8 TSSOP-B8 MSOP8 TSSOP-B8J	F FJ FV FVT FVM FVJ
BA4564W	4	8 to 30	6	2.5	50	25	$V_{\text{EE}}+1.0$ to $V_{\text{CC}}-1.0$	$V_{\text{EE}}+1.0$ to $V_{\text{CC}}-1.0$	100	90	90	4	4	8	-40 to +105	SSOP-B14	FV
BA4564R	4	8 to 30	6	6	50	25	$V_{\text{EE}}+1.0$ to $V_{\text{CC}}-1.0$	$V_{\text{EE}}+1.0$ to $V_{\text{CC}}-1.0$	100	90	90	4	4	8	-40 to +105	SSOP-B14	FV
BA4510	2	2 to 7	5	6	80	10	$V_{\text{EE}}+1.5$ to $V_{\text{CC}}-1.5$	$V_{\text{EE}}+0.1$ to $V_{\text{CC}}-0.1$	90	80	80	5	10	6	-20 to +75 -40 to +75	SOP8 SSOP-B8 MSOP8 TSSOP-B8	F FV FVM FVT
BA4584	4	4 to 32	12	3	100	—	$V_{\text{EE}}+1.5$ to $V_{\text{CC}}-1.5$	$V_{\text{EE}}+1.5$ to $V_{\text{CC}}-1.5$	110	110	110	5	5	5	-40 to +85	SSOP-B14	FV
BA4584R	4	4 to 19	11	3	100	—	$V_{\text{EE}}+1.5$ to $V_{\text{CC}}-1.5$	$V_{\text{EE}}+1.5$ to $V_{\text{CC}}-1.5$	110	110	110	5	5	5	-40 to +105	SOP14 SSOP-B14	F FV

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*1 “ComfySIL™ 功能安全类别” 的详情请参阅封二。

高速(GBW≥5MHz)

车载用 高速运算放大器

Part No.	ch	Supply Voltage (V)	Circuit Current (Typ) (mA)	Input Offset Voltage (Max) (mV)	Input Bias Current (Typ) (nA)	Output Current (Typ) (mA)	Input Voltage (V)	Output Voltage (V)	Voltage Gain (Typ) (dB)	CMRR (Typ) (dB)	PSRR (Typ) (dB)	Slew Rate (Typ) (V/μs)	GBW (Typ) (MHz)	Equivalent Input Noise Voltage (Typ) (nV/√Hz)	Operating temperature (°C)	Package	Part No. Suffix	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
LMR1701Y	1	2.7 to 5.5	9.6	6	0.0026	200	V _{SS} to V _{DD} -0.9	V _{SS} +0.020 to V _{DD} -0.015	120	80	86	80	150	3	-40 to +125	SSOP6	G-C	FSs	YES

高速运算放大器

Part No.	ch	Supply Voltage (V)	Circuit Current (Typ) (mA)	Input Offset Voltage (Max) (mV)	Input Bias Current (Typ) (nA)	Output Current (Typ) (mA)	Input Voltage (V)	Output Voltage (V)	Voltage Gain (Typ) (dB)	CMRR (Typ) (dB)	PSRR (Typ) (dB)	Slew Rate (Typ) (V/μs)	GBW (Typ) (MHz)	Equivalent Input Noise Voltage (Typ) (nV/√Hz)	Operating temperature (°C)	Package	Part No. Suffix
LMR1701	1	2.7 to 5.5	9.6	6	0.0026	200	V _{SS} to V _{DD} -0.9	V _{SS} +0.02 to V _{DD} -0.015	120	80	86	80	150	3	-40 to +125	SSOP6	G-LB
 BD77501	1	7 to 15	1.3	27	0.001	7.5	V _{SS} to V _{DD} -2.0	V _{SS} +0.07 to V _{DD} -0.06	75	70	70	10	8	—	-40 to +85	SSOP5	G
 BD77502	2	7 to 15	2.6	27	0.001	7.5	V _{SS} to V _{DD} -2.0	V _{SS} +0.07 to V _{DD} -0.06	75	70	70	10	8	—	-40 to +85	MSOP8	FVM
 BD77504	4	7 to 15	5.2	27	0.001	7.5	V _{SS} to V _{DD} -2.0	V _{SS} +0.07 to V _{DD} -0.06	75	70	70	10	8	—	-40 to +85	SSOP-B14	FV
BU7485/ BU7485S	1	3.0 to 5.5	1.5	9.5	0.001	8	V _{SS} to V _{DD} -1.4	V _{SS} +0.1 to V _{DD} -0.1	105	60	80	10	10	—	-40 to +85/ -40 to +105	SSOP5	G
BU7486/ BU7486S	2	3.0 to 5.5	3	9.5	0.001	8	V _{SS} to V _{DD} -1.4	V _{SS} +0.1 to V _{DD} -0.1	105	60	80	10	10	—	-40 to +85/ -40 to +105	SOP8	F
																SSOP-B8	FV
																MSOP8	FVM
BU7487/ BU7487S	4	3.0 to 5.5	6	9.5	0.001	8	V _{SS} to V _{DD} -1.4	V _{SS} +0.1 to V _{DD} -0.1	105	60	80	10	10	—	-40 to +85/ -40 to +105	SOP14	F
LMR822	2	2.5 to 5.5	0.65	5	40	40	V _{SS} to V _{DD} -0.9	V _{SS} +0.1 to V _{DD} -0.1	105	90	85	2	5.5	30	-40 to +85	SSOP-B14	FV
																SOP8	F
																SOP-J8	FJ
																TSSOP-B8J	FVJ
																MSOP8	FVM
																TSSOP-B8	FVT
LMR824	4	2.5 to 5.5	1.13	5	40	40	V _{SS} to V _{DD} -0.9	V _{SS} +0.1 to V _{DD} -0.1	105	90	85	2	5.5	30	-40 to +85	SOP14	F
																SOP-J14	FJ
																TSSOP-B14J	FVJ
BA2107	1	2 to 14	1.8	6	150	1.4	V _{EE} +1.5 to V _{CC} -1.5	V _{SS} +0.2 to V _{DD} -0.2	80	74	80	4	12	—	-40 to +85	SSOP5	G

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*1 “ComfySIL™ 功能安全类别” 详情请参阅封二。

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低消耗电流(电路电流≤100μA/ch)

车载用 轨到轨输入输出 低消耗电流运算放大器

Part No.	ch	Supply Voltage (V)	Circuit Current (Typ) (μA)	Input Offset Voltage (Max) (mV)	Input Bias Current (Typ) (nA)	Output Current (Typ) (mA)	Input Voltage (V)	Output Voltage (V)	Voltage Gain (Typ) (dB)	CMRR (Typ) (dB)	PSRR (Typ) (dB)	Slew Rate (Typ) (V/μs)	GBW (Typ) (MHz)	Equivalent Input Noise Voltage (Typ) (nV/√Hz)	Operating temperature (°C)	Package	Part No. Suffix	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BU7241Y	1	1.8 to 5.5	70	10	0.001	10	V _{SS} to V _{DD}	V _{SS} +0.05 to V _{DD} -0.05	100	70	80	0.4	1.0	—	-40 to +125	SSOP5	G-C	FSs	YES
BU7242Y	2	1.8 to 5.5	180	10	0.001	10	V _{SS} to V _{DD}	V _{SS} +0.05 to V _{DD} -0.05	100	70	80	0.4	1.0	—	-40 to +125	MSOP8	FVM-C	FSs	YES
BU7244Y	4	1.8 to 5.5	360	10	0.001	10	V _{SS} to V _{DD}	V _{SS} +0.05 to V _{DD} -0.05	100	70	80	0.4	1.0	—	-40 to +125	SSOP-B14	FV-C	FSs	YES

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*1 “ComfySIL™ 功能安全类别” 详情请参阅封二。

低消耗电流(电路电流 $\leq 100\mu\text{A}/\text{ch}$)

轨到轨输入输出 低消耗电流运算放大器

Part No.	ch	Supply Voltage (V)	Circuit Current (Typ) (μA)	Input Offset Voltage (Max) (mV)	Input Bias Current (Typ) (nA)	Output Current (Typ) (mA)	Input Voltage (V)	Output Voltage (V)	Voltage Gain (Typ) (dB)	CMRR (Typ) (dB)	PSRR (Typ) (dB)	Slew Rate (Typ) (V/ μs)	GBW (Typ) (MHz)	Equivalent Input Noise Voltage (Typ) (nV/ $\sqrt{\text{Hz}}$)	Operating temperature ($^{\circ}\text{C}$)	Package	Part No. Suffix
BU7265/ BU7265S	1	1.8 to 5.5	0.35	8.5	0.001	2.4	V_{SS} to V_{DD}	$V_{\text{SS}}+0.1$ to $V_{\text{DD}}-0.1$	95	60	80	0.0024	0.004	—	-40 to +85/ -40 to +105	SSOP5	G
BU7266/ BU7266S	2	1.8 to 5.5	0.7	8.5	0.001	2.4	V_{SS} to V_{DD}	$V_{\text{SS}}+0.1$ to $V_{\text{DD}}-0.1$	95	60	80	0.0024	0.004	—	-40 to +85/ -40 to +105	SOP8	F
																SSOP-B8	FV
																MSOP8	FVM
BU7205/ BU7205S	1	1.8 to 5.5	0.4	9.5	0.001	1.2	V_{SS} to V_{DD}	$V_{\text{SS}}+0.1$ to $V_{\text{DD}}-0.1$	95	60	80	0.0025	0.0025	—	-40 to +85/ -40 to +105	HVSOF5	HFV
BU7245/ BU7245S	1	1.8 to 5.5	5	8.5	0.001	4	V_{SS} to V_{DD}	$V_{\text{SS}}+0.1$ to $V_{\text{DD}}-0.1$	95	60	80	0.035	0.07	—	-40 to +85/ -40 to +105	HVSOF5	HFV
BU7271/ BU7271S	1	1.8 to 5.5	8.6	8	0.001	4	V_{SS} to V_{DD}	$V_{\text{SS}}+0.1$ to $V_{\text{DD}}-0.1$	100	60	80	0.05	0.09	—	-40 to +85/ -40 to +105	SSOP5	G
BU7275/ BU7275S	1	1.8 to 5.5	40	6	0.001	8	V_{SS} to V_{DD}	$V_{\text{SS}}+0.1$ to $V_{\text{DD}}-0.1$	95	60	80	0.3	0.6	—	-40 to +85/ -40 to +105	HVSOF5	HFV
LMR931	1	1.8 to 5.0	85	4	5	80	V_{SS} to V_{DD}	$V_{\text{SS}}+0.037$ to $V_{\text{DD}}-0.04$	101	94	85	0.42	1.5	50	-40 to +85	SSOP5	G
LMR932	2	1.8 to 5.0	140	5.5	5	80	V_{SS} to V_{DD}	$V_{\text{SS}}+0.037$ to $V_{\text{DD}}-0.04$	101	94	85	0.42	1.5	50	-40 to +85	SOP8	F
																SOP-J8	FJ
																SSOP-B8	FV
																TSSOP-B8J	FVJ
																MSOP8	FVM
LMR934	4	1.8 to 5.0	290	5.5	5	80	V_{SS} to V_{DD}	$V_{\text{SS}}+0.037$ to $V_{\text{DD}}-0.04$	101	94	85	0.42	1.5	50	-40 to +85	TSSOP-B8	FVT
																SOP14	F
																SOP-J14	FJ
																SSOP-B14	FV
LMR981	1	1.8 to 5.0	85	4	5	80	V_{SS} to V_{DD}	$V_{\text{SS}}+0.037$ to $V_{\text{DD}}-0.04$	101	94	85	0.42	1.5	50	-40 to +85	SSOP6	G
LMR982	2	1.8 to 5.0	140	5.5	5	80	V_{SS} to V_{DD}	$V_{\text{SS}}+0.037$ to $V_{\text{DD}}-0.04$	101	94	85	0.42	1.5	50	-40 to +85	MSOP10	FVM
BU7241/ BU7241S	1	1.8 to 5.5	70	9	0.001	10	V_{SS} to V_{DD}	$V_{\text{SS}}+0.1$ to $V_{\text{DD}}-0.1$	95	60	80	0.4	0.9	—	-40 to +85/ -40 to +105	SSOP5	G
BU7242/ BU7242S	2	1.8 to 5.5	180	9	0.001	10	V_{SS} to V_{DD}	$V_{\text{SS}}+0.1$ to $V_{\text{DD}}-0.1$	95	60	80	0.4	0.9	—	-40 to +85/ -40 to +105	SOP8	F
																MSOP8	FVM
																VSON008X2030	NUX
BU7244/ BU7244S	4	1.8 to 5.5	360	9	0.001	10	V_{SS} to V_{DD}	$V_{\text{SS}}+0.1$ to $V_{\text{DD}}-0.1$	95	60	80	0.4	0.9	—	-40 to +85/ -40 to +105	SOP14	F
																SSOP-B14	FV

低消耗电流运算放大器

Part No.	ch	Supply Voltage (V)	Circuit Current (Typ) (μA)	Input Offset Voltage (Max) (mV)	Input Bias Current (Typ) (nA)	Output Current (Typ) (mA)	Input Voltage (V)	Output Voltage (V)	Voltage Gain (Typ) (dB)	CMRR (Typ) (dB)	PSRR (Typ) (dB)	Slew Rate (Typ) (V/ μs)	GBW (Typ) (MHz)	Equivalent Input Noise Voltage (Typ) (nV/ $\sqrt{\text{Hz}}$)	Operating temperature ($^{\circ}\text{C}$)	Package	Part No. Suffix
BU7411/ BU7411S	1	1.6 to 5.5	0.35	8	0.001	2.4	V_{SS} to $V_{\text{DD}}-1.0$	$V_{\text{SS}}+0.1$ to $V_{\text{DD}}-0.1$	95	60	80	0.0024	0.004	—	-40 to +85/ -40 to +105	SSOP5	G
BU7421/ BU7421S	1	1.7 to 5.5	8.5	6	0.001	4	V_{SS} to $V_{\text{DD}}-1.2$	$V_{\text{SS}}+0.1$ to $V_{\text{DD}}-0.1$	100	60	80	0.05	0.09	—	-40 to +85/ -40 to +105	SSOP5	G
BU7475/ BU7475S	1	1.7 to 5.5	9	6.5	0.001	7	V_{SS} to $V_{\text{DD}}-1.2$	$V_{\text{SS}}+0.1$ to $V_{\text{DD}}-0.1$	100	60	80	0.05	0.1	—	-40 to +85/ -40 to +105	HVSOF5	HFV
BU7445/ BU7445S	1	1.7 to 5.5	40	6	0.001	8	V_{SS} to $V_{\text{DD}}-1.2$	$V_{\text{SS}}+0.1$ to $V_{\text{DD}}-0.1$	100	60	80	0.25	0.4	—	-40 to +85/ -40 to +105	HVSOF5	HFV
BU7441/ BU7441S	1	1.7 to 5.5	50	6	0.001	6	V_{SS} to $V_{\text{DD}}-1.2$	$V_{\text{SS}}+0.1$ to $V_{\text{DD}}-0.1$	95	60	80	0.3	0.6	—	-40 to +85/ -40 to +105	SSOP5	G
BU7442/ BU7442S	2	1.7 to 5.5	100	6	0.001	6	V_{SS} to $V_{\text{DD}}-1.2$	$V_{\text{SS}}+0.1$ to $V_{\text{DD}}-0.1$	95	60	80	0.3	0.6	—	-40 to +85/ -40 to +105	SOP8	F
																MSOP8	FVM
																VSON008X2030	NUX
BU7444S	4	1.7 to 5.5	200	6	0.001	6	V_{SS} to $V_{\text{DD}}-1.2$	$V_{\text{SS}}+0.1$ to $V_{\text{DD}}-0.1$	95	60	80	0.3	0.6	—	-40 to +85/ -40 to +105	SOP14	F
TLR341	1	1.8 to 5.5	75	4	0.001	100	V_{SS} to $V_{\text{DD}}-1.0$	$V_{\text{SS}}+0.01$ to $V_{\text{DD}}-0.01$	110	90	95	1.2	2.3	33	-40 to +85	SSOP6	G
TLR342	2	1.8 to 5.5	150	4	0.001	100	V_{SS} to $V_{\text{DD}}-1.0$	$V_{\text{SS}}+0.01$ to $V_{\text{DD}}-0.01$	110	90	95	1.2	2.3	33	-40 to +85	SOP8	F
																SOP-J8	FJ
																TSSOP-B8J	FVJ
																TSSOP-B8	FVT
TLR344	4	1.8 to 5.5	300	4	0.001	100	V_{SS} to $V_{\text{DD}}-1.0$	$V_{\text{SS}}+0.01$ to $V_{\text{DD}}-0.01$	110	90	95	1.2	2.3	33	-40 to +85	SOP14	F
																SOP-J14	FJ
																TSSOP-B14J	FVJ
LMR341	1	2.7 to 5.5	80	4	0.001	113	V_{SS} to $V_{\text{DD}}-1.0$	$V_{\text{SS}}+0.01$ to $V_{\text{DD}}-0.01$	116	86	82	1	2	40	-40 to +85	SSOP6	G

通用

车载用 轨到轨输入输出 通用运算放大器

Part No.	ch	Supply Voltage (V)	Circuit Current (Typ) (mA)	Input Offset Voltage (Max) (mV)	Input Bias Current (Typ) (nA)	Output Current (Typ) (mA)	Input Voltage (V)	Output Voltage (V)	Voltage Gain (Typ) (dB)	CMRR (Typ) (dB)	PSRR (Typ) (dB)	Slew Rate (Typ) (V/μs)	GBW (Typ) (MHz)	Equivalent Input Noise Voltage (Typ) (nV/√Hz)	Operating temperature (°C)	Package	Part No. Suffix	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
 BD87554Y	4	4 to 15	7.9	4	0.001	9.3	V_{SS} to V_{DD}	$V_{SS}+0.03$ to $V_{DD}-0.05$	110	80	90	2.4	—	50	-40 to +125	SSOP-B14	FV-C	FSs	YES
 BD87581Y	1	4 to 14	2.3	9	0.001	3.5	V_{SS} to V_{DD}	$V_{SS}+0.03$ to $V_{DD}-0.05$	110	60	80	3.5	4	—	-40 to +125	SSOP5	G-C	FSs	YES
 BD87582Y	2	4 to 14	5	9	0.001	3.5	V_{SS} to V_{DD}	$V_{SS}+0.03$ to $V_{DD}-0.05$	110	60	80	3.5	4	—	-40 to +125	MSOP8	FVM-C	FSs	YES
 BD87584Y	4	4 to 14	10	9	0.001	3.5	V_{SS} to V_{DD}	$V_{SS}+0.03$ to $V_{DD}-0.05$	110	60	80	3.5	4	—	-40 to +125	SSOP-B14	FV-C	FSs	YES
BU7264Y	4	1.8 to 5.5	1.1	11	0.001	10	V_{SS} to V_{DD}	$V_{SS}+0.05$ to $V_{DD}-0.05$	95	60	80	1.1	2	—	-40 to +125	SSOP-B14	FV-C	FSs	YES

车载用 通用运算放大器

Part No.	ch	Supply Voltage (V)	Circuit Current (Typ) (mA)	Input Offset Voltage (Max) (mV)	Input Bias Current (Typ) (nA)	Output Current (Typ) (mA)	Input Voltage (V)	Output Voltage (V)	Voltage Gain (Typ) (dB)	CMRR (Typ) (dB)	PSRR (Typ) (dB)	Slew Rate (Typ) (V/μs)	GBW (Typ) (MHz)	Equivalent Input Noise Voltage (Typ) (nV/√Hz)	Operating temperature (°C)	Package	Part No. Suffix	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
 LM2904EY	2	3 to 36	0.6	6	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.2	0.5	—	-40 to +150	SOP8 SOP-J8 MSOP8	F-C FJ-C FVM-C	FSs	YES YES YES
  LM2902EY	4	3 to 36	1	6	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.2	0.5	—	-40 to +150	SSOP-B14	FV-C	FSs	YES
 BA82904Y	2	3 to 36	0.5	6	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.2	0.5	—	-40 to +125	SOP8 MSOP8	F-C FVM-C	FSs	YES YES
 BA82902Y	4	3 to 36	0.7	6	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.2	0.5	—	-40 to +125	SOP14 SOP-J14 SSOP-B14 TSSOP-B14J	F-C FJ-C FV-C FVJ-C	FSs	YES YES YES YES
 BA83472Y	2	3 to 36	4.3	10	100	30	V_{EE} to $V_{CC}-2.0$	$V_{EE}+0.3$ to $V_{CC}-1.0$	100	97	97	8.5	3	—	-40 to +125	SOP8 MSOP8	F-C FVM-C	FSs	YES
 BA83474Y	4	3 to 36	8.6	10	100	30	V_{EE} to $V_{CC}-2.0$	$V_{EE}+0.3$ to $V_{CC}-1.0$	100	97	97	8.5	3	—	-40 to +125	SSOP-B14	FV-C	FSs	YES
BA2904Y	2	3 to 36	0.5	3.5	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.2	0.5	40	-40 to +125	SOP8	F-C	FSs	YES
																SSOP-B8	FV-C	FSs	YES
																MSOP8	FVM-C	FSs	YES
BA2902Y	4	3 to 36	0.5	7	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.2	0.5	40	-40 to +125	SOP8	F-M	FSs	YES
																SSOP-B8	FV-M	FSs	YES
																MSOP8	FVM-M	FSs	YES
BA2902Y	4	3 to 36	0.7	3.8	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.2	0.5	40	-40 to +125	SOP14	F-C	FSs	YES
																SSOP-B14	FV-C	FSs	YES
																SOP14	F-M	FSs	YES
BA3472Y/ BA3472W	2	3 to 36	4	10/7.5	100	30	V_{EE} to $V_{CC}-2.0$	$V_{EE}+0.3$ to $V_{CC}-1.0$	100	97	97	10	4	—	-40 to +125	SSOP-B14	FV-M	FSs	YES
																SOP8/—	F-C		YES
																SSOP-B8	FV-C	FSs	YES
BA3474Y/ BA3474W	4	3 to 36	8	10/7.5	100	30	V_{EE} to $V_{CC}-2.0$	$V_{EE}+0.3$ to $V_{CC}-1.0$	100	97	97	10	4	—	-40 to +125	MSOP8/—	FVM-C		YES
																		FSs	YES
																SSOP-B14	FV-C	FSs	YES

轨到轨输入输出 通用运算放大器

Part No.	ch	Supply Voltage (V)	Circuit Current (Typ) (mA)	Input Offset Voltage (Max) (mV)	Input Bias Current (Typ) (nA)	Output Current (Typ) (mA)	Input Voltage (V)	Output Voltage (V)	Voltage Gain (Typ) (dB)	CMRR (Typ) (dB)	PSRR (Typ) (dB)	Slew Rate (Typ) (V/μs)	GBW (Typ) (MHz)	Equivalent Input Noise Voltage (Typ) (nV/√Hz)	Operating temperature (°C)	Package	Part No. Suffix
BD7541/ BD7541S	1	5.0 to 14.5	0.18	9	0.001	4	V_{SS} to V_{DD}	$V_{SS}+0.1$ to $V_{DD}-0.1$	95	60	80	0.3	0.6	—	-40 to +85/ -40 to +105	SSOP5	G
BD7542/ BD7542S	2	5.0 to 14.5	0.4	9	0.001	4	V_{SS} to V_{DD}	$V_{SS}+0.1$ to $V_{DD}-0.1$	95	60	80	0.3	0.6	—	-40 to +85/ -40 to +105	SOP8 MSOP8	F FVM
BD7561/ BD7561S	1	5.0 to 14.5	0.44	9	0.001	8	V_{SS} to V_{DD}	$V_{SS}+0.1$ to $V_{DD}-0.1$	95	60	80	0.9	1	—	-40 to +85/ -40 to +105	SSOP5	G
BD7562/ BD7562S	2	5.0 to 14.5	0.9	9	0.001	8	V_{SS} to V_{DD}	$V_{SS}+0.1$ to $V_{DD}-0.1$	95	60	80	0.9	1	—	-40 to +85/ -40 to +105	SOP8 MSOP8	F FVM
BU7255/ BU7255S	1	2.4 to 5.5	0.54	9	0.001	4	V_{SS} to V_{DD}	$V_{SS}+0.1$ to $V_{DD}-0.1$	105	60	80	3.4	4	—	-40 to +85/ -40 to +105	HVSOP5	HFV
BU7261/ BU7261S	1	1.8 to 5.5	0.25	9	0.001	10	V_{SS} to V_{DD}	$V_{SS}+0.1$ to $V_{DD}-0.1$	95	60	80	1.1	2	—	-40 to +85/ -40 to +105	SSOP5	G
BU7262/ BU7262S	2	1.8 to 5.5	0.55	9	0.001	10	V_{SS} to V_{DD}	$V_{SS}+0.1$ to $V_{DD}-0.1$	95	60	80	1.1	2	—	-40 to +85/ -40 to +105	SOP8 MSOP8	F FVM
																VSON008X2030	NUX
BU7264/ BU7264S	4	1.8 to 5.5	1.1	9	0.001	10	V_{SS} to V_{DD}	$V_{SS}+0.1$ to $V_{DD}-0.1$	95	60	80	1.1	2	—	-40 to +85/ -40 to +105	SOP14	F
																SSOP-B14	FV
BU7291/ BU7291S	1	2.4 to 5.5	0.47	9	0.001	8	V_{SS} to V_{DD}	$V_{SS}+0.1$ to $V_{DD}-0.1$	105	60	80	3	2.8	—	-40 to +85/ -40 to +105	SSOP5	G
BU7294/ BU7294S	4	2.4 to 5.5	2	9	0.001	8	V_{SS} to V_{DD}	$V_{SS}+0.1$ to $V_{DD}-0.1$	105	60	80	3	2.8	—	-40 to +85/ -40 to +105	SOP14	F
																SSOP-B14	FV
BU7295/ BU7295S	1	1.8 to 5.5	0.15	9	0.001	8	V_{SS} to V_{DD}	$V_{SS}+0.1$ to $V_{DD}-0.1$	95	60	80	1	1	—	-40 to +85/ -40 to +105	HVSOP5	HFV

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*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

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通用

通用运算放大器

Part No.	ch	Supply Voltage (V)	Circuit Current (Typ) (mA)	Input Offset Voltage (Max) (mV)	Input Bias Current (Typ) (nA)	Output Current (Typ) (mA)	Input Voltage (V)	Output Voltage (V)	Voltage Gain (Typ) (dB)	CMRR (Typ) (dB)	PSRR (Typ) (dB)	Slew Rate (Typ) (V/μs)	GBW (Typ) (MHz)	Equivalent Input Noise Voltage (Typ) (nV/√Hz)	Operating temperature (°C)	Package	Part No. Suffix
LM2904	2	3 to 32	0.6	4.5	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.3	0.8	40	−40 to +125	SOP8	F
																SOP-J8	FJ
																SSOP-B8	FV
																TSSOP-B8J	FVJ
																MSOP8	FVM
TSSOP-B8	FVT																
LM2902	4	3 to 32	1	4.5	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.3	0.8	40	−40 to +125	SOP14	F
																SOP-J14	FJ
																SSOP-B14	FV
																TSSOP-B14J	FVJ
LM324	4	3 to 32	1	4.5	20	30	V_{EE} to $V_{CC}-1.5$	$V_{EE}+0.01$ to $V_{CC}-1.5$	100	80	100	0.3	0.8	40	−40 to +85	SOP14	F
																SOP-J14	FJ
																SSOP-B14	FV
																TSSOP-B14J	FVJ
LM358	2	3 to 32	0.6	4.5	20	30	V_{EE} to $V_{CC}-1.5$	$V_{EE}+0.01$ to $V_{CC}-1.5$	100	80	100	0.3	0.8	40	−40 to +85	SOP8	F
																SOP-J8	FJ
																SSOP-B8	FV
																TSSOP-B8J	FVJ
																MSOP8	FVM
																TSSOP-B8	FVT
LMR321	1	2.7 to 5.5	0.13	4	15	70	V_{EE} to $V_{CC}-0.8$	$V_{EE}+0.08$ to $V_{CC}-0.04$	110	90	90	1	3	39	−40 to +85	SSOP5	G
LMR324	4	2.7 to 5.5	0.41	9	15	70	V_{EE} to $V_{CC}-0.8$	$V_{EE}+0.08$ to $V_{CC}-0.04$	110	90	90	1	3	39	−40 to +85	SOP14	F
																SOP-J14	FJ
																SSOP-B14	FV
																TSSOP-B14J	FVJ
LMR342	2	2.7 to 5.5	0.2	4	0.001	24	V_{SS} to $V_{DD}-1.0$	$V_{SS}+0.06$ to $V_{DD}-0.06$	103	80	85	1	2	40	−40 to +85	SOP8	F
																SOP-J8	FJ
																SSOP-B8	FV
																TSSOP-B8J	FVJ
																MSOP8	FVM
TSSOP-B8	FVT																
LMR344	4	2.7 to 5.5	0.4	4	0.001	24	V_{SS} to $V_{DD}-1.0$	$V_{SS}+0.06$ to $V_{DD}-0.06$	103	80	85	1	2	40	−40 to +85	SOP14	F
																SOP-J14	FJ
																TSSOP-B14J	FVJ
LMR358	2	2.7 to 5.5	0.21	5	15	70	V_{EE} to $V_{CC}-0.8$	$V_{EE}+0.08$ to $V_{CC}-0.04$	110	90	90	1	3	39	−40 to +85	SOP8	F
																SOP-J8	FJ
																SSOP-B8	FV
																TSSOP-B8J	FVJ
																MSOP8	FVM
TSSOP-B8	FVT																
BU7461/ BU7461S	1	1.7 to 5.5	0.15	6	0.001	8	V_{SS} to $V_{DD}-1.2$	$V_{SS}+0.1$ to $V_{DD}-0.1$	95	60	80	1	1	—	−40 to +85/ −40 to +105	SSOP5	G
BU7462/ BU7462S	2	1.7 to 5.5	0.3	6	0.001	8	V_{SS} to $V_{DD}-1.2$	$V_{SS}+0.1$ to $V_{DD}-0.1$	95	60	80	1	1	—	−40 to +85/ −40 to +105	SOP8	F
																MSOP8	FVM
																VSON008X2030	NUX
BU7464/ BU7464S	4	1.7 to 5.5	0.6	6	0.001	8	V_{SS} to $V_{DD}-1.2$	$V_{SS}+0.1$ to $V_{DD}-0.1$	95	60	80	1	1	—	−40 to +85/ −40 to +105	SOP14	F
BU7465/ BU7465S	1	1.7 to 5.5	0.12	6	0.001	8	V_{SS} to $V_{DD}-1.2$	$V_{SS}+0.1$ to $V_{DD}-0.1$	100	60	80	1	1.2	—	−40 to +85/ −40 to +105	HVSOF5	HFV
BU7481/ BU7481S	1	1.8 to 5.5	0.42	8	0.001	8	V_{SS} to $V_{DD}-1.2$	$V_{SS}+0.1$ to $V_{DD}-0.1$	105	60	80	3.2	2.8	—	−40 to +85/ −40 to +105	SSOP5	G
BU7495/ BU7495S	1	1.8 to 5.5	0.65	6	0.001	7	V_{SS} to $V_{DD}-1.2$	$V_{SS}+0.1$ to $V_{DD}-0.1$	100	60	80	5	4	38	−40 to +85/ −40 to +105	HVSOF5	HFV
BA3404	2	4 to 36	2	5	70	30	V_{EE} to $V_{CC}-2.0$	V_{EE} to $V_{CC}-2.0$	100	90	94	1.2	1.2	—	−40 to +85	SOP8	F
BA3472	2	3 to 36	4	10	100	30	V_{EE} to $V_{CC}-2.0$	$V_{EE}+0.3$ to $V_{CC}-1.0$	100	97	97	10	4	—	−40 to +85	MSOP8	FVM
																SOP8	F
																SSOP-B8	FV
																SOP-J8	FJ
BA3472R															−40 to +105	MSOP8	FVM
BA3472Y															−40 to +125	SOP8	F-LB
BA3474	4	3 to 36	8	10	100	30	V_{EE} to $V_{CC}-2.0$	$V_{EE}+0.3$ to $V_{CC}-1.0$	100	97	97	10	4	—	−40 to +75	SOP14	F
																SSOP-B14	FV
																TSSOP-B14J	FVJ
BA3474R															−40 to +105	SSOP-B14	FV
BD1321	1	2.7 to 5.5	0.13	4	15	70	V_{EE} to $V_{CC}-0.8$	$V_{EE}+0.08$ to $V_{CC}-0.04$	110	90	90	1	3	—	−40 to +85	SSOP5	G
BA2902/ BA2902S	4	3 to 36	0.7	7	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.2	0.5	40	−40 to +125/ −40 to +105	SOP14	F
																SSOP-B14	FV
BA2902Y	4	3 to 36	0.7	7	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.2	0.5	40	−40 to +125	SOP14	F-LB
BA2904/ BA2904S	2	3 to 36	0.5	7	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.2	0.5	40	−40 to +125/ −40 to +105	SOP8	F
																SSOP-B8	FV
BA2904Y	2	3 to 36	0.5	7	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.2	0.5	40	−40 to +125	SOP8	F-LB

比较器

通用

放大器/比较器

集电极开路比较器

Part No.	ch	Supply Voltage (V)	Circuit Current (mA)	Input Offset Voltage (mV)	Input Bias Current (nA)	Output Current (mA)	Input Voltage (V)	Voltage Gain (dB)	Response Time (μs)	Operating Temperature (°C)	Package	Part No. Suffix
New LM8391	1	3 to 36	0.3	2 (Max: 5)	50	16	V_{EE} to $V_{CC}-1.5$	120	1.3	-40 to +125	SSOP5	G-LB
LM2903	2	3 to 32	0.6	1	50	16	V_{EE} to $V_{CC}-1.5$	120	1	-40 to +125	SOP8	F
											SOP-J8	FJ
											SSOP-B8	FV
											TSSOP-B8J	FVJ
											MSOP8	FVM
LM2901	4	3 to 32	1.2	1	50	16	V_{EE} to $V_{CC}-1.5$	120	1	-40 to +125	TSSOP-B8	FVT
											SOP14	F
											SOP-J14	FJ
											SSOP-B14	FV
											TSSOP-B14J	FVJ
LM393	2	3 to 32	0.6	1	50	16	V_{EE} to $V_{CC}-1.5$	120	1	-40 to +85	SOP8	F
											SOP-J8	FJ
											SSOP-B8	FV
											TSSOP-B8J	FVJ
											MSOP8	FVM
LM339	4	3 to 32	1.2	1	50	16	V_{EE} to $V_{CC}-1.5$	120	1	-40 to +85	TSSOP-B8	FVT
											SOP14	F
											SOP-J14	FJ
											SSOP-B14	FV
											TSSOP-B14J	FVJ
BA2903Y	2	2 to 36	0.6	2	50	16	V_{EE} to $V_{CC}-1.5$	100	1.3	-40 to +125	SOP8	F-LB
BA2901Y	4	2 to 36	0.8	2	50	16	V_{EE} to $V_{CC}-1.5$	100	1.3	-40 to +125	SOP14	F-LB
BA2903/BA2903S	2	2 to 36	0.6	2	50	16	V_{EE} to $V_{CC}-1.5$	100	1.3	-40 to +125/-40 to +105	SOP8	F
											SSOP-B8	FV
BA2901/BA2901S	4	2 to 36	0.8	2	50	16	V_{EE} to $V_{CC}-1.5$	100	1.3	-40 to +125/-40 to +105	MSOP8	FVM
											SOP14	F
BA8391	1	2 to 36	0.3	2	50	16	V_{EE} to $V_{CC}-1.5$	100	1.3	-40 to +85	SSOP-B14	FV
											SSOP5	G

车载用集电极开路比较器

Part No.	ch	Supply Voltage (V)	Circuit Current (mA)	Input Offset Voltage (mV)	Input Bias Current (nA)	Output Current (mA)	Input Voltage (V)	Voltage Gain (dB)	Response Time (μs)	Operating Temperature (°C)	Package	Part No. Suffix	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BA2903Y	2	2 to 36	0.6	2 (Max: 4)	50	16	V_{EE} to $V_{CC}-1.5$	100	1.3	-40 to +125	SOP8	F-C	FSs	YES
											SSOP-B8	FV-C	FSs	YES
											MSOP8	FVM-C	FSs	YES
BA2901Y	4	2 to 36	0.8	2 (Max: 4)	50	16	V_{EE} to $V_{CC}-1.5$	100	1.3	-40 to +125	SOP14	F-C	FSs	YES
											SSOP-B14	FV-C	FSs	YES
BA2903Y	2	2 to 36	0.6	2 (Max: 7)	50	16	V_{EE} to $V_{CC}-1.5$	100	1.3	-40 to +125	SOP8	F-M	FSs	YES
											SSOP-B8	FV-M	FSs	YES
											MSOP8	FVM-M	FSs	YES
BA2901Y	4	2 to 36	0.8	2 (Max: 7)	50	16	V_{EE} to $V_{CC}-1.5$	100	1.3	-40 to +125	SOP14	F-M	FSs	YES
											SSOP-B14	FV-M	FSs	YES

车载用高EMI耐受力集电极开路比较器(EMARMOUR™ 系列)

Part No.	ch	Supply Voltage (V)	Circuit Current (mA)	Input Offset Voltage (mV)	Input Bias Current (nA)	Output Current (mA)	Input Voltage (V)	Voltage Gain (dB)	Response Time (μs)	Operating Temperature (°C)	Package	Part No. Suffix	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
New LM8391EY	1	3 to 36	0.3	2 (Max: 5)	50	16	V_{EE} to $V_{CC}-1.5$	120	1.3	-40 to +150	SSOP5	G-C	FSs	YES
LM2903EY	2	3 to 32	0.6	2	50	16	V_{EE} to $V_{CC}-1.5$	120	1.3	-40 to +150	SOP-J8	FJ-C	FSs	YES
LM2901EY	4	3 to 32	1.2	2	50	16	V_{EE} to $V_{CC}-1.5$	120	1.3	-40 to +150	SSOP-B14	FV-C	FSs	YES
BA82903Y	2	2 to 36	0.6	2	50	16	V_{EE} to $V_{CC}-1.5$	100	1.3	-40 to +125	SOP8	F-C	FSs	YES
											MSOP8	FVM-C	FSs	YES
BA82901Y	4	2 to 36	0.8	2	50	16	V_{EE} to $V_{CC}-1.5$	100	1.3	-40 to +125	SOP14	F-C	FSs	YES
											SSOP-B14	FV-C	FSs	YES

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*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

EMARMOUR MARMOUR™ 系列为实现业内超高级别抗噪声性能的产品。
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高速

推挽输出比较器

Part No.	ch	Supply Voltage (V)	Circuit Current (μA)	Input Offset Voltage (mV)	Input Bias Current (nA)	Output Current (mA)	Input Voltage (V)	Voltage Gain (dB)	Response Time (μs)	Operating Temperature (°C)	Package	Part No. Suffix
BU7251/ BU7251S	1	1.8 to 5.5	15	1	0.001	6	V _{SS} to V _{DD}	90	0.55	-40 to +85/ -40 to +105	SSOP5	G
BU7252/ BU7252S	2	1.8 to 5.5	35	1	0.001	6	V _{SS} to V _{DD}	90	0.55	-40 to +85/ -40 to +105	SOP8 MSOP8	F FVM
BU5265/ BU5265S	1	1.8 to 5.5	22	1	0.001	3.5	V _{SS} to V _{DD}	90	0.5	-40 to +85/ -40 to +105	HVSOF5	HFV

漏极开路比较器

Part No.	ch	Supply Voltage (V)	Circuit Current (μA)	Input Offset Voltage (mV)	Input Bias Current (nA)	Output Current (mA)	Input Voltage (V)	Voltage Gain (dB)	Response Time (μs)	Operating Temperature (°C)	Package	Part No. Suffix
BU7250/ BU7250S	1	1.8 to 5.5	15	1	0.001	6	V _{SS} to V _{DD}	90	0.75	-40 to +85/ -40 to +105	SSOP5	G
BU7253/ BU7253S	2	1.8 to 5.5	35	1	0.001	6	V _{SS} to V _{DD}	90	0.75	-40 to +85/ -40 to +105	SOP8	F

低消耗电流

推挽输出比较器

Part No.	ch	Supply Voltage (V)	Circuit Current (μA)	Input Offset Voltage (mV)	Input Bias Current (nA)	Output Current (mA)	Input Voltage (V)	Voltage Gain (dB)	Response Time (μs)	Operating Temperature (°C)	Package	Part No. Suffix
BU7231/ BU7231S	1	1.8 to 5.5	5	1	0.001	6	V _{SS} to V _{DD}	90	1.7	-40 to +85/ -40 to +105	SSOP5	G
BU7232/ BU7232S	2	1.8 to 5.5	10	1	0.001	6	V _{SS} to V _{DD}	90	1.7	-40 to +85/ -40 to +105	SOP8 MSOP8	F FVM
BU5255/ BU5255S	1	1.8 to 5.5	6.5	1	0.001	3.5	V _{SS} to V _{DD}	90	1.6	-40 to +85/ -40 to +105	HVSOF5	HFV

车载用推挽输出比较器

Part No.	ch	Supply Voltage (V)	Circuit Current (μA)	Input Offset Voltage (mV)	Input Bias Current (nA)	Output Current (mA)	Input Voltage (V)	Voltage Gain (dB)	Response Time (μs)	Operating Temperature (°C)	Package	Part No. Suffix	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BU7232Y	2	1.8 to 5.5	10	1	0.001	7	V _{SS} to V _{DD}	100	1.7	-40 to +125	MSOP8	FVM-C	FSs	YES

漏极开路比较器

Part No.	ch	Supply Voltage (V)	Circuit Current (μA)	Input Offset Voltage (mV)	Input Bias Current (nA)	Output Current (mA)	Input Voltage (V)	Voltage Gain (dB)	Response Time (μs)	Operating Temperature (°C)	Package	Part No. Suffix
BU7230/ BU7230S	1	1.8 to 5.5	5	1	0.001	6	V _{SS} to V _{DD}	90	1.8	-40 to +85/ -40 to +105	SSOP5	G
BU7233/ BU7233S	2	1.8 to 5.5	10	1	0.001	6	V _{SS} to V _{DD}	90	1.8	-40 to +85/ -40 to +105	SOP8	F

车载用漏极开路比较器

Part No.	ch	Supply Voltage (V)	Circuit Current (μA)	Input Offset Voltage (mV)	Input Bias Current (nA)	Output Current (mA)	Input Voltage (V)	Voltage Gain (dB)	Response Time (μs)	Operating Temperature (°C)	Package	Part No. Suffix	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
BU7233Y	2	1.8 to 5.5	10	1	0.001	7	V _{SS} to V _{DD}	100	1.8	-40 to +125	SOP8	F-C	FSs	YES

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*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。