

Operational amplifier / comparator

● Operational amplifier

Part No.	Supply voltage range (V)	Classification	No. of circuits			Common-mode input voltage range (V)	Offset voltage (mV)	Offset current (nA)	Slew rate (V/μS)	Feature	Package
			1	2	4						
BA10324A/AF/AFV	3~30	LOW POWER			○	0~V _{CC} -1.5	2	5	0.2	Ground sense operation	DIP14/SOP14/SSOP-8/4
BA10358/F/N	3~30			○		0~V _{CC} -1.5	2	5	0.2	Ground sense operation	DIP8/SOP8/SIP8
BA14741/F	±2~±18	LOW NOISE			○	VEE+1.5~V _{CC} -1.5	1	10	1	Phase compensation circuit	DIP14/SOP14
BA4558/F/N	±4~±18			○		VEE+1~V _{CC} -1	0.5	5	1.0	High stability	DIP8/SOP8/SIP8
BA728/F/N	±1.7~±9			○		VEE+1.5~V _{CC} -1.5	2	1	0.7	Low voltage operation	DIP8/SOP8/SIP8
BA15218/F/N	±2~±16	HIGH SLEW RATE			○	VEE+1~V _{CC} -1	0.5	5	2	High slew rate	DIP8/SOP8/SIP8
BA15532/F/N	±3~±20			○		VEE+2~V _{CC} -2	0.5	10	8	High slew rate	DIP8/SOP8/SIP8
BA4510F	±1~±3.5			○		VEE+1~V _{CC} -1	0.5	5	5	Low voltage operation	SOP8
BA4560/F/N	±4~±18			○		VEE+1~V _{CC} -1	0.5	5	4	High stability	DIP8/SOP8/SIP8

Note: 1. Offset voltage and current are typical values.

● Voltage control operational amplifier

Part No.	Supply voltage range (V)	Classification	No. of circuits			Feature	Package
			1	2	4		
BA6110/FS	±2~±15	Current control type	○			Gain can be controlled by control current. Built-in bias diode for decreasing distortion.	SIP9/SSOP-A16

● Operational amplifier with output select switch

Part No.	Supply voltage range (V)	Function	Number of circuits			Select switch	Synchronous input voltage range (V) VEE=-15V, V _{CC} =15V	Offset voltage (mV)	Offset current (nA)	Slew rate (V/μS)	Package
			1	2	3						
BA3128F/N	5~32	With output select switch	○			2 contacts	VEE+1~V _{CC} -1	0.5	5.0	3.0	SOP8/SIP8
BA3129/F	5~32			○		2 contacts	VEE+1~V _{CC} -1	0.5	5.0	2.4	DIP14/SOP14
BA3131FS	6~18				○	2 contacts	0~V _{CC} -1	0.5	5.0	2.0	SSOP-A20

● Comparator

Part No.	Supply voltage range (V)	Number of circuits			Common-mode input voltage range (V) V _{CC} =5V	Offset voltage (mV)	Offset current (nA)	Low current consumption	Output circuit type	Package
		1	2	4						
BA10393/F/N	±1~±18		○		0~V _{CC} -1.5	1	5	○	Open collector	DIP8/SOP8/SIP8
BA10339/F/FV	±1.5~±18			○	0~V _{CC} -1.5	2	5	○	Open collector	DIP14/SOP14/SSOP-8/4

● Comparator array

Part No.	Supply voltage range (V)	Output current (mA)	Number of circuits	Comparator level (V) Condition (V _{CC} =3V, R _L =560Ω)					Feature	Package
				COMP 1	COMP 2	COMP 3	COMP 4	COMP 5		
BA3818F	1.6~3.6	5	5	1.52	1.74	1.97	2.20	2.42	It is possible to use it as a level meter of a dot display. 2-wire system of remote control is available. 2-wire system of remote control is available. Auto power-off function.	SOP8
BA3819F	2.0~5.0	5	5	1.52	1.74	1.97	2.20	2.42		SOP8

CR timer

Part No.	Supply voltage range (V)	Feature	Package
BA222	4.5~16	Timing range from microseconds to hours Maximum load current of 200mA.	SIP7
BA223	4.5~16		SIP8
BA225/F	4~16	Timing range from several milliseconds to minutes. Low current consumption. (I _{CC} 0.75mA per timer) Two functions can be configured as a delay timer.	DIP8/SOP8
BA235	4~16		Rising edge trigger type SIP9
BA226/F	4~16		Falling edge trigger type DIP8/SOP8
BA236	4~16		SIP9
BU2302/F	1.8~6	SET pin: Reset when low; timer on when high	DIP8/SOP8
BU2305/F	1.8~6	SET pin: Triggers timer when low, Built-in chattering prevention circuit.	DIP8/SOP8

D/A converter

Part No.	Supply voltage range (V)		Resolution (Bit)	Settling time (nS)	Reference voltage	Feature	Package
	V _{CC}	VEE					
BA9201	5	-7	8	500	Built-in	Input data latch. Multiplication type.	DIP18
BA9211/F	5	-12	10	250	Built-in	Multiplying operation is possible.	DIP22/SOP22
BA9221/F	5	-15	12	250		Multiplying operation is possible. Differential current output.	DIP20/SOP22