

●Dual output voltage regulator with switch

Part No.	Output 1		Output 2		Feature	Package
	Vo1(V)	Io1(mA)	Vo2(V)	Io2(mA)		
New BA31W12ST	7	1000	5	500	With stand-by switch	TO220FP-5 Note
New BA41W12ST	8	1000	5	500		TO220FP-5 Note
New BA51W12ST	9	1000	5	500		TO220FP-5 Note
New BA61W12ST	10	1000	5	500		TO220FP-5 Note

Note : TO220FP-5 package is also available with formed product.

●Variable output voltage power supply

Part No.	Supply voltage (V)	Number of circuits	Output voltage (V)	Stand-by function	Output voltage switch pin	Features	Package
BA3960	4.5~22	2	1.5~21	○	○	Output voltage can be set by an external resistor. Built-in output current control circuit and temperature protection circuit. Low saturation PNP output.	HSIP-B12

●System power supply (BA392X/BA393X/BA394X/BA395X/BA396X series)

Part No.	Supply voltage (V)	Typical supply voltage (V)	Output voltage (V)						Stand-by function	Reference voltage	Mode switch	Reset output	Package
			A	B	C	D	E	F					
BA3924	5.0~22	12	9	5	7.5		7.5		○	○	○	○	SIP-M12
BA3932	6.5~22	16	15	5	9	5	8	5	○	○	○	○	SIP-M12
BA3933	6.5~22	16	9	5	7.5	5	7.5	5	○	○	○	○	SIP-M12
BA3935	6.5~22	16	9.5	5	9	5	7.5	5	○	○	○	○	SIP-M12
BA3936	6.5~22	12		5	8	5	8	5	○	○	○	○	SIP-M12
BA3938	6.5~22	15	11	5	9	14.7	8.5		○	○	○	○	HSIP-B12
New BA3940A	6.5~22	15	9	7.0	7.0	5			○	○	○	○	SIP-M12
New BA3950A	6.5~22	18	13.3	12	10	5.6			○	○	○	○	SIP-M12
BA3963	6.5~22	12	7	5					○	○	○	○	SIP-M12

●System power supply (BA3900/BA3910 series)

Part No.	Supply voltage BACK UP (V)	Typical supply voltage BACK UP (V)	Output voltage (V)							Stand-by current(mA)	Muting function	Output switch pin	Package
			A	B	C	D	E	F	G				
BA3911	10~16	13.2	5.6	8.7	8.7	8.7	12.8	12.8		0.55		○	SIP-M12
BA3913	10~16	13.2	5.6	8.3	8.3	8.3	12.7	12.7		0.55		○	SIP-M12
BA3915B	9.6~24	13.2	5.0	8.5	8.5	8.5	8.5		12.7	0.4	○	○	SIP-M16
New BA3918	10~16	13.2	5.6	8.7	8.7	8.7	12.2	12.2		0.55		○	SIP-M12
BA4900	10~16	13.2	5.8	8.0	8.0	8.0	10.0	12.2	12.2	0.55		○	SIP-M12

Notes : 1. When operated with an input voltage less than the regulated output voltage, the output voltage is the input voltage minus the voltage drop across the output transistors.

2. Under development

●Switching regulator

Part No.	Supply voltage (V)	Function	Features	Package
BA6161N/F	4.5~16	DC-DC converter for electronic tuning	Built-in temperature compensation circuit. Good output voltage stability	SIP5/SOP8
BA9700A/AF/AFV	3.55~24	1ch switching regulator controller	Permits desired output voltage such as Step-up, Step-down, Inverting, etc.	DIP14/SOP14/SSOP-B14
BA9701/F	2.5~7.5	1ch slave switching regulator	Composed of error amplifier, PWM comparator and output driver.	DIP8/SOP8
BA9706K	3.5~12	3ch switching regulator	Vref±1%	QFP32
New BA9707KV	3.5~12	4ch switching regulator	Applicable with 1 MHz, Vref±1%, capable of synchronous inputs	VQFP48
BA9708K	3.5~12	3ch switching regulator	Applicable with 1 MHz, Vref±1%, capable of synchronous inputs	QFP32
New BA9710KV	3.5~12	4ch switching regulator	2ch motor control version of BA9707KV	VQFP48
New BA9743AFV	3.6~35	2ch switching regulator	Permits desired output voltage such as Step-up, Step-down, Inverting, etc. Wider supply voltage range. Output current capacity : Max 120mA.	SSOP-B16

Note : Under development

●General purpose DC-DC converter (Hybrid ICs)

Part No.	Input voltage (V)	Output voltage (V)	Output current (A)	Function/feature	Package	Dimensions (mm)
BP5020	8~38	5	1	Small yet highly efficient. Output voltage can be fine tuned using an external circuit	SIP9	28×24×12.7
BP5021	8~38	5	0.5		SIP9	26×24×11.6
BP5022	15~38	12	0.5		SIP9	26×24×11.6
BP5024	18~45	12	2		SIP14	40×24×12
BP51L05	8~20	-5	0.1	Small size	SIP9	30×29×13
BP51L12	8~20	-12	0.1		SIP9	30×29×13

Notes : 1. Under development

2. For packaging, see the packaging specification in Hybrid ICs on page 64.

●AC-DC converter (Hybrid ICs)

Part No.	Input voltage (V)	Output voltage (V)	Output current (mA)	Features	Package	Dimensions (mm)
BP5030	113~170 (80-120Vac)	+5V	100	AC power supply (100 Vac) can be easily converted into DC power supply with a few external parts.	SIP10	30.5×17.9×10.4
BP5032		+24V	50		SIP10	30.5×17.9×10.4
New BP5034		+12V	100		SIP10	30.5×16.8×10.4
New BP5035		-12V	200		SIP10	28.2×17.9×9.1
BP5037		+24V	130		SIP10	28.2×17.9×9.1
BP5040	224~358 (158-253Vac)	+5V	100	AC power supply (200/220 Vac) can be easily converted into DC power supply with a few external parts.	SIP14	42×20×9.4
BP5041		+12V	100		SIP14	42×20×9.4

Notes : 1. Under development

2. For packaging, see the packaging specification in Hybrid ICs on page 64.