

Low frequency amplifier

●Preamplifier

Part No.	Application			Function								Features	Supply voltage (V)	Package
	Radio cassette recorder	Car audio	Headphone stereo	Number of circuits	Microphone amplifier	Line amplifier	ALC circuit	Input switch	AUX SW	Equalizer switch	Muting			
BA328/F	■	■		2									6.0~16	SIP8/SOP8
BA3304F			■	2									1.2~4.0	SOP16
BA3306	■			2			○						4.5~14	SIP9
BA3308/F	■			2			○					Built-in rectifier diode.	4.5~14	SIP9/SOP14
BA3311L	■			2			○						5.0~12	ZIP12
BA3313L/14F	■			2			○					Built-in rectifier diode.	5.0~12	ZIP12/SOP12
BA3402		■		2				○				For auto-reverse.	6.0~13	ZIP16
BA3406AF		■		2						○	○		6.0~14	SOP16
BA3410AF	■			1	○	○	○						1.8~3.5	SOP16
BA3413FS			■	2				○		○			0.9~2.0	SSOP-A16
BA3416BL	■			2				○		○		For double cassette.	3.5~12	ZIP18
BA3420AL	■			2	○	○			○		○		5.0~16	ZIP18
BA3423S	■			2	○	○	○	○	○	○	○	For double cassette.	4.5~7.0	SDIP32
BA3430F/FS/S		■		2				○		○	○	Mute detection. Sensitivity switching circuit	7.0~18	SOP24/SSOP-A24/SDIP24
BA7726FS	■			2				○	○	○	○	For double cassettes With built-in recording equalizer	9.5~12	SSOP-A32
New BA3426S	■			2	○	○	○	○	○	○	○	Capable of CD, double cassettes	4.5~7.0	SDIP32

●Line amplifier

Part No.	Application		Number of circuits	Gvc (dB)	Features	Supply voltage (V)	Package
	Radio cassette recorder	Car audio					
BA3118L	■	■	2	6~20	Gain setting without external resistor.	4.0~16	ZIP18

●Prepower amplifier for headphone stereo

Part No.	Application	Pre amplifier	Power amplifier			EVR	Input switch	Equalizer switch	Features	Supply voltage (V)	Package
			Output (RL=16Ω)	Output (RL=32Ω)	Gain (dB)						
BA3513AFS	3V headphone stereo	2ch	40mW × 2	-	26.7		○	○	Noise reduction.	1.8~3.6	SSOP-A24
BA3516	3V headphone stereo		40mW × 2	-	36					1.8~3.6	DIP16
BA3630AKV	1.5V headphone stereo		9mW × 2	-	57.4 (Pre + Power)		○	○	Noise reduction With AMS, bass boost system	0.95~2.0	VQFP48

●Prepower governor for headphone stereo

Part No.	Application	Pre amplifier	Power amplifier			Equalizer switch	Governor	Features	Supply voltage (V)	Package
			Output (RL=16Ω)	Output (RL=32Ω)	Gain (dB)					
BA3528AFP	3V headphone stereo	2ch	34mW × 2	20mW × 2	36	○	○		1.8~6.0	HSOP28
BA3529AFP			34mW × 2	20mW × 2	27	○	○	Noise reduction.	1.8~6.0	HSOP28

●Power amplifier

Part No.	Application		Number of circuits	Function						Features	Supply voltage (V)	Package
	Radio cassette recorder	Headphone stereo		Output power	Vcc (V)	RL (Ω)	TSD	Stand-by switch	Muting			
BA5152F		■1.5V	2	15mW	1.5	16		○	○	Gain 21dB. Built-in power switch circuit.	1.0~1.8	SOP16
BA5204F		■3.0V	2	35mW	3	32				Gain 35dB.	1.8~6.0	SOP16
BA526	■		1	0.43W	6	8				Low noise.	2.0~9.0	SIP9
BA527	■		1	0.8W	6	4				High ripple rejection ratio	2.8~9.0	SIP9
BA534	■		1	2.3W	9	4					4.5~14	HSIP10
				2.8W		3						
BA5406	■		2	5W	12	3				Built-in capacitor for phase adjustment.	5.0~15	SIP-M12
BA5415A	■		2	2.5W	9	4	○	○		Vcc=9V, no heat sink required when RL=4Ω, Pd=20W (with infinite heat sink, Ta=75°C). ON/OFF noise protection, gain 45 dB typ. (to 30 dB)	5.0~18	SIP-M12
				5.4W		3						
BA5416	■		2	1.4W	9	8	○	○		Vcc=9V, no heat sink required when RL=8Ω, Pd=7.2W (with infinite heat sink, Ta=75°C), pin and characteristic compatible with BA5415AP	5.0~15	HSIP-B12
				5.4W		3						
☆BA5417	■		2	1.3W	9	8	○	○		Vcc=9V, no heat sink required when RL=8Ω, Pd=7.2W (with infinite heat sink, Ta=75°C)	6.0~15	HSIP-15
				5.0W		3						
BA546	■		1	0.33W	6	8				Low current consumption.	2.0~9.0	SIP9
BA5210FS	■	■3.3V	2	450mW	3.3	8	○	○	○	BTL/stereo selector circuit built in	2.5~6.0	SSOP-A16

Note: ○: Under development