

High frequency signal process

●Front end

Part No.	Application		Gain (dB) f _{IN} 100MHz	Feature	Supply voltage range (V)	Package
	Headphone stereo	Radio cassette				
BA4402	■3V	■	32	Built-in varicap diode for AFC. Low power consumption.	1.5~9	SIP9
BA4403	■3V	■	32	Low power consumption.	1.5~6	SIP7
BA4404	■3V	■	38	Built-in varicap diode for AFC. Low power consumption.	1.5~9	SIP9
BA4408F	■1.5V		39	Built-in varicap diode for AFC. Low operating voltage. Built-in IF amplifier.	0.9~2	SOP14
BA4412		■	28	Double balanced mixer. Varicap diode for AFC. IF amp.	2~8	SIP9
BA4424N	■3V	■	36	TV receiving is available (1~12). Built-in varicap diode for AFC. Excellent 2 signal characteristics	1.7~6	SIP9
BA4425F	■3V	■	36	Excellent 2 signal characteristics	1.7~6	SOP8

●IF system

Part No.	Application		Function			Feature	Supply voltage range (V)	Package
	Headphone stereo	Radio cassette	FM		AM			
			F/E	IF				
BA403				○		FM peak detector system. Few external components.	8~15	SIP7
BA4110		■		○		Sound soft muting function.	6~12	ZIP16
BA4230AF/AFS	■1.5V			○	○	FM mute. Tuning indicator. Low operating voltage.	1~2	SOP18/SSOP-A20
BA4236L		■		○	○	Quadrature detector system. AM audio control pin. Built-in tuning indicator.	2.7~12	ZIP18
BA4237L		■		○	○	For reverse S curve (upper heterodyne). For normal S curve (lower heterodyne).	2.7~12	ZIP18
BA4240L/F	■3V			○	○	FM mute. AM audio control pin. Built-in tuning indicator.	1.7~4.5	ZIP18/SOP18

●Stereo multiplexer

Part No.	Application		Feature	Supply voltage range (V)	Package
	Headphone stereo	Radio cassette			
BA1320		■	Muting pin. Separation control pin.	4.5~15	DIP16
BA1332/L/F		■	Forced monaural pin.	3~14	DIP16/ZIP16/SOP16
BA1335		■		3.3~9	DIP16
BA1350		■		6~12	ZIP16
BA1356		■		5~12	ZIP16
BA1362F/FS	■1.5V			1~2.5	SOP16/SSOP-A16

●IF + MPX

Part No.	Application		Function			Feature	Supply voltage range (V)	Package
	Headphone stereo	Radio cassette Portable stereo	FM		AM			
			IF	MPX				
BA1402	■3V		○	○		Low power consuming. Sound muting by IF level.	1.8~4.5	DIP22
BA1442A		■	○	○	○	Adjustment-free VCO	3.8~8.0	DIP20
BA1443A		■	○	○	○	Less external components	3.8~8.0	DIP20
New BA1448S		■	○	○	○	QUAD. Adjustment-free VCO	3.8~8.0	SDIP24