

• Low-Frequency, Small-Signal Amplifiers (continued)

Type	Function	Package		Features	Reference Catalog
		Configuration	No. of pins		
BA3430S/BA3430F/BA3430FS	Car stereo dual preamplifier with AMS	SDIP/SOP/SSOP	24	A version of the BA3424 containing AMS with sensitivity switching circuit	No.3121A
BA3506A/BA3506AF	3V dual pre-power amplifier	DIP/SOP	16/18	3V power supply. Few external components.	No.3121A
BA3513AF/BA3513AFS	3V dual pre-power amplifier	SOP/SSOP	24	3V power supply auto-reverse and metal tape selection function. Few external components. Noise reduction system compatibility.	No.3121A
BA3514AF	3V dual pre-power amplifier	SOP	24	3V power supply auto-reverse and metal tape selection function. Few external components.	No.3121A
BA3516/BA3516F	3V dual pre-power amplifier	DIP/SOP	16/18	3V power supply, requires few external components.	No.3121A
BA3518/BA3518F	3V dual pre-power amplifier	DIP/SOP	16	No need for power amplifier quenching capacitor, coupling capacitors.	No.3121A
BA3519F/BA3519FS	3V dual pre-power amplifier	SOP/SSOP	22	No need for power amplifier quenching capacitor, coupling capacitors. Can handle auto reverse.	No.3121A
BA3520/BA3520F	3V dual pre-power amplifier	DIP/SOP	18	3V power supply, internal EVR, requires few external components.	No.3121A
BA3521	3V dual pre-power amplifier	DIP	18	3V power supply, internal EVR, preamp. Directly coupled to power amp., requires few external components.	No.3121A
New BA3528FP	3V pre-power governor	HSOP	28	Requires no phase compensator for power stage; requires no output coupling; includes an internal governor.	No.3269
New BA3529FP	3V pre-power governor	HSOP	28	Compatible with noise reduction system includes an internal governor.	No.3301E
BA3570F/BA3570FS	Headphone driver with automatic loudness function	SOP/SSOP	22/24	Wide supply voltage range (2.0 to 7.2V). Can be used on portable audio sets, radio cassette tape recorders, televisions, etc.	—
BA3812L	5-point graphic equalizer	ZIP	18	With buffer amplifier. Low noise and low distortion.	No.3121A
BA3822LS	Dual 5-point graphic equalizer	SZIP	24	Stereo 5-point graphic equalizer on a single chip. CR = ± 11 dB	No.3121A
BA3823LS	Dual 5-point graphic equalizer	SZIP	24	Stereo 5-point graphic equalizer on a single chip. CR = ± 10 dB	No.3121A
BA3824LS	Dual 5-point graphic equalizer	SZIP	24	Stereo 5-point graphic equalizer on a single chip. CR = ± 8.5 dB	No.3121A
BA3826S	Band-pass filter for spectrum analyzers	SDIP	18	Band-pass filter for stereo 7-channel spectrum analyzer; no external capacitor.	No.3078
New BA3830F/BA3830S	5-band band-pass filter for spectrum analyzers	SOP/SDIP	18	5 + 1 bands for spectrum analyzer; internal band-pass filter + REC indicator (f_0 = 63, 150, 400, 1k, 4k, 10k); no external capacitor.	No.3173E
New BA3832F	5-band band-pass filter for spectrum analyzers	SOP	18	5 + 1 bands B.P.F. for spectrum analyzer. REC indicator. (f_0 = 100, 150, 400, 1k, 4k, 10k) No external capacitors.	No.335
New BA3850FP	Audio Sound Controller	HSOP	28	Contains volum, balance, fader, tone (bass/treble) muting, and loudness controls for both channels; features low noise and distorting. V_{CC} = 7 to 9.5V	—
BA5101	REC/PLAY system preamplifier	ZIP	16	For 6V and 9V sets. Single switch input selects record and playback functions.	No.3121A
BA5104A	REC/PLAY system preamplifier	ZIP	16	Provides REC/PLAY switching functions.	No.3121A
BA1701	VSC* system processor	DIP	16	VSC* system processor. Capable of compressing audio signal amplitudes by ratios of 1/1 to 1/2.5.	—

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• RF Signal Processors

BA402	FM-IF amplifier	SIP	7	Dual-stage differential amplifier and limiter amplifier. Good limiting characteristics.	—
BA403	FM-IF system	SIP	7	IF amplifier and peak detector circuit. Low distortion.	—
BA4110	FM-IF system	ZIP	16	16 pin zig-zag in line package for compact designs. Has audio output soft muting function.	No.3121A
BA4230AF/BA4230AFS	1.5V FM/AM-IF system	SOP/SSOP	18/20	Designed for FM/AM portable radios operating on 1.5V; V_{CC} = 1.0 to 2V operation; internal FM muting and AM front end.	No.3121A
BA4236L	FM/AM-IF system	ZIP	18	V_{CC} = 2.7 to 12V operation; internal quadrature detector and AM front end;	No.3121A
BA4237L	FM/AM-IF system	ZIP	18	inverse S-shaped curve covered by two models; AM section cover LW to SW bands; AM audio control input.	
BA4240L/BA4240F	3V FM/AM-IF system	ZIP/SOP	18	V_{CC} = 1.8 to 4.5V operation; FM muting and AM audio control input.	No.3121A
BA4402	FM front end	SIP	9	High gain; V_{CC} = 1.5 to 9V operation; internal AFC varicap Diode.	No.3121A
BA4403	FM front end	SIP	7	High gain; V_{CC} = 1.5 to 9V operation.	No.3121A
BA4404	FM front end	SIP	9	Higher gain than the BA4402 With vari-cap for AFC.	No.3121A
BA4405	FM front end	SIP	7	Higher gain than the BA4403.	No.3121A
BA4408F	1.5V FM front end	SOP	14	Equipped with RF amplifier, mixer, OSC, IF amplifier and vari-cap Diode for AFC.	No.3121A
BA4411	FM front end	SIP	9	Double balance mixer system. High gain. V_{CC} = 2 to 8V operation.	No.3121A
BA4412	FM front end	SIP	9	With vari-cap Diode for AFC, IF amplifier.	
BA4413	FM front end	SIP	9	3 types available to accommodate IF gain.	No.3121A
BA4422AN	FM/TV front end	SIP	9	Receive TV frequency. High gain. With vari-cap Diode for AFC.	No.3121A
BA4424N	FM/TV front end	SIP	9	Receive TV frequency. High gain. With vari-cap Diode for AFC. V_{CC} = 1.7 to 6V operation. Excellent two-signal characteristics	No.3121A