

Accessories

●Electronic volume

Part No.	Supply voltage (V)	Function	Number of circuits	Built-in standard voltage	Features	Package
BA3853BFS	7.0~9.5	Car audio controls (vol. tone, balance, fader and loudness)	2	○	Low-noise DC control	SSOP-A24
BH3854AFS/AS	5.4~9.5	CD & cassette recorder (vol. tone), 3-wire serial control	2	○	Noiseless switching	SSOP-A32/SDIP32
BH3532FS	3.5~5.5	Vol. control, potentiometer 8-bit×2	2		Multi step	SSOP-A20

●IC for graphic equalizer

Part No.	Supply voltage (V)	Format	Number of bands	Circuit current (mA)	Control range (dB)	THD (%)	Output noise voltage (μ Vrms)	Ripple rejection	Input buffer	Output buffer	Package
BA3812L	3.5~16	Monaural	5	5.0	± 12	0.01	5		○	○	ZIP18
BA3822LS/FS	3.5~14	Stereo	5	7.0	± 11	0.1	10				SZIP24/SSOP-A24
BA3823LS	3.5~14	Stereo	5	6.7	± 10	0.01	3	50			SZIP24
BA3824LS	3.5~14	Stereo	5	7.0	± 8.5	0.1	10				SZIP24

●Preset graphic equalizer

Part No.	Supply voltage (V)	Format	Circuit current (mA)	Number of positions	Features	Package
BA3840KV	1.7~3.6	Stereo	2.2	4	Prevention of sound leak from head set. Auto boost control.	VQFP48
New BA3842F/S	8.0~10.5	Stereo	7	5	Built-in dynamic bass boost circuit.	SOP24/SDIP24

●Sound control

Part No.	Supply voltage (V)	Function	Number of circuits	Built-in standard voltage	Features	Package
New BH3852FS/S	5.4~9.5	Vol. tone (bass treble) matrix surround	2	○	DC control	SSOP-A24/SDIP24
BA3853BFS	7.0~9.5	Vol. balance, fader, tone (bass, treble) and loudness control	2	○	DC control. Low output noise.	SSOP-A24
BH3854AFS/AS	5.4~9.5	Vol. tone (bass treble) matrix surround	2	○	3-wire serial control. 4-port outputs.	SSOP-A32/SDIP32
New BH3856S/FS	6.0~9.5	Vol. (L/R) tone (bass, treble) matrix surround.	2	○	I ² C BUS control	SSOP-A32/SDIP30

●High definition processor (BBE)

Part No.	Supply voltage (V)	Function	Number of circuits	Features	Package
New BA3880S	5.4~10.8	High definition sound processor (compliance with BBE system)	2	Low-pass boost fixed at 4dB.	SDIP22
New BA3884S/F	5.4~12.3		2	Variable low-pass boost.	SDIP24/SOP24
☆BA3888S	10.8~13.2		1	Built-in nose gate circuit.	SDIP22

Notes : 1. BBE is a registered trademark of BBE Sound Incorporated.
 2. ○ : Under development

●Bass boost system

Part No.	Supply voltage (V)	Function		Driver output		Power muting switch	Bias amplifier	Center amplifier	Features	Package
		Boost circuit		Condition RL=16 Ω	Vcc					
		Bass	Treble							
BA3570F/FS	2.0~7.2	25dB Max.	4dB Fixed	30mW	3.0	○	○	—	Built-in 30mW power amplifier	SOP22/SSOP-A24
BA3870	3.0~7.0	20dB Max.	4dB Fixed	—	—	—	—	—	Low switching noise at BBS ON/OFF	DIP20
BA3571F/FS	2.0~5.5	25dB	—	30mW	3.0	—	○	—	BB circuit	SOP20/SSOP-A20
BA3574BFS	1.7~3.6	7dB	—	40mW	2.4	○	○	○	Low Iq	SSOP-A20
BA3578FS	2.8~5.5	9dB	—	6mW	3.6	○	—	—	LPF for multi-bit DAC	SSOP-A20

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