



音频/视频

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音频放大器

扬声器放大器

便携式放大器 1.9W + 1.9W立体声扬声器放大器

Part No.	Supply Voltage (V)	Power Dissipation (W)	Quiescent Current (mA)	Standby Current (μA)	Voltage Gain (dB)	Output Power (W)	Distortion (%)	Output Noise Voltage (μVrms)	Package
BD7836EFV	4.5 to 5.5	1.0	5	0.1	6/10/15.6/21.6	1.9 (V _{DD} =5V, 4Ω, THD + N=1%)	0.1	16	HTSSOP-B20

便携式放大器 1.1W~1.5W单声道扬声器放大器

Part No.	Supply Voltage (V)	Power Dissipation (W)	Quiescent Current (mA)	Standby Current (μA)	Voltage Gain (dB)	Output Power(R _L =8Ω, THD=10%)		Distortion (%)	Output Noise Voltage (dBV)	Package
						V _{CC} =3.6V	V _{CC} =5.0V			
BH7824FVM	2.4 to 5.5	470	3.5	0	0 to 20	0.60W	1.1W	0.07	-94	MSOP8
BH7826FVM	2.6 to 5.5	470	3.5	0	0 to 20	0.60W	1.1W	0.2	-94	MSOP8
BD7830NUV	2.4 to 5.5	530	3.2	0	0 to 20	0.77W	1.5W	0.1	-100	VSON008V2030

便携式放大器 模拟输入单声道D类扬声器放大器

Part No.	Supply Voltage (V)	Power Dissipation (W)	Quiescent Current (mA)	Voltage Gain (dB)	Output Power (W)		Distortion (%)	Output Noise Voltage (μVrms)	ALC Circuit	Package (mm)
					(V _{DD} =5V, R _L =4Ω, THD + N=10%)	(V _{DD} =3.6V, R _L =8Ω, THD + N=10%)				
BD5460GUL	2.5 to 5.5	0.69	2.0 (V _{DD} =3.6V)	6	2.5 (V _{DD} =5V, R _L =4Ω, THD + N=10%)	0.85 (V _{DD} =3.6V, R _L =8Ω, THD + N=10%)	0.3 (V _{DD} =3.6V)	30	-	VCSP50L1 (1.6 × 1.6)
BD5461GUL	2.5 to 5.5	0.69	2.0 (V _{DD} =3.6V)	12	2.5 (V _{DD} =5V, R _L =4Ω, THD + N=10%)	0.85 (V _{DD} =3.6V, R _L =8Ω, THD + N=10%)	0.3 (V _{DD} =3.6V)	40	-	VCSP50L1 (1.6 × 1.6)
BD27400GUL	2.5 to 5.5	0.69	2.9 (V _{DD} =3.6V)	External Variable	2.5 (V _{DD} =5V, R _L =4Ω, THD + N=10%)	0.85 (V _{DD} =3.6V, R _L =8Ω, THD + N=10%)	0.3 (V _{DD} =3.6V)	40	-	VCSP50L1 (1.5 × 1.5)
BD5632NUX	2.5 to 5.5	0.52	2.7 (V _{DD} =3.6V)	6	2.5 (V _{DD} =5V, R _L =4Ω, THD + N=10%)	0.85 (V _{DD} =3.6V, R _L =8Ω, THD + N=10%)	0.1 (V _{DD} =3.6V)	40	-	VSON008X2030
BD5634NUX	2.5 to 5.5	0.52	2.7 (V _{DD} =3.6V)	12	2.5 (V _{DD} =5V, R _L =4Ω, THD + N=10%)	0.85 (V _{DD} =3.6V, R _L =8Ω, THD + N=10%)	0.1 (V _{DD} =3.6V)	40	-	VSON008X2030
BD5638NUX	2.5 to 5.5	0.52	2.7 (V _{DD} =3.6V)	18	2.5 (V _{DD} =5V, R _L =4Ω, THD + N=10%)	0.85 (V _{DD} =3.6V, R _L =8Ω, THD + N=10%)	0.1 (V _{DD} =3.6V)	40	-	VSON008X2030
BD5465GUL	2.5 to 5.5	0.69	3.3 (V _{DD} =3.6V)	12	0.6 (V _{DD} =3.6 to 5.5V)		0.1 (V _{DD} =3.6V)	40	✓	VCSP50L1 (1.8 × 1.8)
BD5466GUL	2.5 to 5.5	0.69	3.0 (V _{DD} =3.6V)	18	1.5 (V _{DD} =5V, R _L =4Ω, THD + N ≤ 1%)	0.5 (V _{DD} =3.6V, R _L =8Ω, THD + N ≤ 1%)	0.1 (V _{DD} =3.6V)	40	✓	VCSP50L1 (1.7 × 1.7)
BD5467GUL	2.5 to 5.5	0.69	3.0 (V _{DD} =3.6V)	13	1.5 (V _{DD} =5V, R _L =4Ω, THD + N ≤ 1%)	0.5 (V _{DD} =3.6V, R _L =8Ω, THD + N ≤ 1%)	0.1 (V _{DD} =3.6V)	40	✓	VCSP50L1 (1.7 × 1.7)
BD5468GUL	2.5 to 5.5	0.69	3.0 (V _{DD} =3.6V)	13	1.5 (V _{DD} =5V, R _L =4Ω, THD + N ≤ 1%)	0.5 (V _{DD} =3.6V, R _L =8Ω, THD + N ≤ 1%)	0.1 (V _{DD} =3.6V)	40	✓	VCSP50L1 (1.7 × 1.7)
BD5469GUL	2.5 to 5.5	0.69	3.0 (V _{DD} =3.6V)	13	0.88 (V _{DD} =4.2V, R _L =8Ω, THD + N ≤ 1%)	0.64 (V _{DD} =3.6V, R _L =8Ω, THD + N ≤ 1%)	0.1 (V _{DD} =3.6V)	40	✓	VCSP50L1 (1.7 × 1.7)

便携式放大器 模拟输入立体声D类扬声器放大器

Part No.	Supply Voltage (V)	Power Dissipation (W)	Quiescent Current (mA)	Voltage Gain (dB)	Output Power (W)		Distortion (%)	Output Noise Voltage (μVrms)	Max. LDO Current (mA)	Package
BD28412MUV	4.5 to 13	3.26	16 (V _{CC} = 11V)	20/26/ 32/36	18 (V _{CC} =12V, R _L =4Ω, THD + N=10%, PBTl)	9 (V _{CC} =12V, R _L =8Ω, THD + N=10%)	0.03 (V _{CC} =11V)	100	-	VQFN032V5050

中/高输出放大器 搭载DSP的支持数字输入的D类扬声器放大器

Part No.	Supply Voltage (V)	Power Dissipation (W)	Quiescent Current (mA)	Output Power (W)		Distortion (%)	Output Noise Voltage (μVrms)	DSP					Package
				(V _{CC} =13V, R _L =8Ω)	(V _{CC} =18V, R _L =8Ω)			Volume	DC Cut HPF	Hard Clipper	Parametric EQ	DRC	
New BM28723MUV	10 to 24	4.56 (4-layer board)	45 (V _{CC} =18V)	10 (V _{CC} =13V, R _L =8Ω)	17 (V _{CC} =18V, R _L =8Ω)	0.08	150	✓	✓	✓	✓ (12 Band)	✓ (3 Band)	VQFN032V5050
BM28720MUV	10 to 24	4.56 (4-layer board)	45 (V _{CC} =18V)	10 (V _{CC} =13V, R _L =8Ω)	20 (V _{CC} =18V, R _L =8Ω)	0.07	80	✓	✓	✓	✓ (12 Band)	✓ (3 Band)	VQFN032V5050

中/高输出放大器 支持数字输入的D类扬声器放大器									
Part No.	Supply Voltage (V)	Power Dissipation (W)	Quiescent Current (mA)	Output Power (W)		Distortion (%)	Output Noise Voltage (μ Vrms)	Power Limiter Function	Package
BD28623MUV	8.5 to 24	4.56 (4-layer board) 3.26 (2-layer board)	40 (Vcc=18V)	-	15 (Vcc=16V RL=8 Ω)	0.08	150	✓ (GAIN)	VQFN024V4040

中/高功率放大器 支持模拟输入/BTL输出的D类扬声器放大										
Part No.	Supply Voltage (V)	Power Dissipation (W)	Quiescent Current (mA)	Voltage Gain (dB)	Output Power (W)		Distortion (%)	Output Noise Voltage (μ Vrms)	Power Limiter Function	Package
BD5424EFS	10 to 18	4.5 (4-layer board) 2.0 (2-layer board)	30 (Vcc=12V)	28	10 (Vcc=12V RL=8 Ω)	20 (Vcc=17V RL=8 Ω)	0.1	80	✓ (Power Limiter)	HTSSOP-A44
BD5423AEFS	10 to 16.5	4.5 (4-layer board) 2.0 (2-layer board)	25 (Vcc=12V)	28	10 (Vcc=12V RL=8 Ω)	17 (Vcc=17V RL=4 Ω)	0.1	80	✓ (Power Limiter)	HTSSOP-A44
BD5426EFS	10 to 16.5	4.5 (4-layer board) 2.0 (2-layer board)	25 (Vcc=12V)	28	9 (Vcc=12V RL=8 Ω)	10 (Vcc=13V RL=8 Ω)	0.1	80	✓ (Power Limiter)	HTSSOP-A44
BD5413EFV	6 to 10.5	2.8 (4-layer board) 1.1 (2-layer board)	12 (Vcc=9V)	30	4 (Vcc=9V RL=8 Ω)	5 (Vcc=9V RL=6 Ω)	0.2	90	—	HTSSOP-B24

中/高功率放大器 5W+5W立体声扬声器放大器										
Part No.	Supply Voltage (V)	Power Dissipation (W)	Quiescent Current (mA)	Standby Current (μ A)	Output Power(W) [Vcc=12V, RL=3 Ω]	Closed Loop Voltage Gain (dB)	Output Noise Voltage (mVrms)	Distortion (%)	Ripple Rejection (dB)	Package
BA5417	6 to 15	15	22	0	5	45	0.3	0.1	55	HSIP15

耳机放大器

无需耦合电容器的耳机放大器									
Part No.	Supply Voltage (V)	Quiescent Current (mA)	Gain (V/V)	Maximum Output Power (mW)	Distortion (%)	Output Noise Voltage (μ Vrms)	Ripple Rejection (dB)	Note	Package (mm)
BD88200GUL	2.4 to 5.5	2	Variable Gain with external resistor	80 (VDD = 3.3V, RL = 16 Ω)	0.006 (VDD = 3.3V, RL = 16 Ω)	10	-80 (f = 217Hz)	Virtual ground based	VCSP50L2 (2.1 x 2.1)
BD88210GUL	2.4 to 5.5	2	-1.0	80 (VDD = 3.3V, RL = 16 Ω)	0.006 (VDD = 3.3V, RL = 16 Ω)	10	-80 (f = 217Hz)	Virtual ground based	VCSP50L2 (2.1 x 2.1)
BD88215GUL	2.4 to 5.5	2	-1.5	80 (VDD = 3.3V, RL = 16 Ω)	0.006 (VDD = 3.3V, RL = 16 Ω)	10	-80 (f = 217Hz)	Virtual ground based	VCSP50L2 (2.1 x 2.1)
BD88220GUL	2.4 to 5.5	2	-1.0	80 (VDD = 3.3V, RL = 16 Ω)	0.006 (VDD = 3.3V, RL = 16 Ω)	10	-80 (f = 217Hz)	Virtual ground based	VCSP50L2 (2.1 x 2.1)
BD88400GUL	2.4 to 5.5	2	Variable Gain with external resistor	80 (VDD = 3.3V, RL = 16 Ω)	0.006 (VDD = 3.3V, RL = 16 Ω)	10	-80 (f = 217Hz)	Ground based	VCSP50L2 (2.1 x 2.1)
BD88400FJ	2.4 to 5.5	2	Variable Gain with external resistor	80 (VDD = 3.3V, RL = 16 Ω)	0.006 (VDD = 3.3V, RL = 16 Ω)	10	-80 (f = 217Hz)	Ground based	SOP-J14
BD88410GUL	2.4 to 5.5	2	-1.0	80 (VDD = 3.3V, RL = 16 Ω)	0.006 (VDD = 3.3V, RL = 16 Ω)	10	-80 (f = 217Hz)	Ground based	VCSP50L2 (2.1 x 2.1)
BD88415GUL	2.4 to 5.5	2	-1.5	80 (VDD = 3.3V, RL = 16 Ω)	0.006 (VDD = 3.3V, RL = 16 Ω)	10	-80 (f = 217Hz)	Ground based	VCSP50L2 (2.1 x 2.1)
BD88420GUL	2.4 to 5.5	2	-2.0	80 (VDD = 3.3V, RL = 16 Ω)	0.006 (VDD = 3.3V, RL = 16 Ω)	10	-80 (f = 217Hz)	Ground based	VCSP50L2 (2.1 x 2.1)

为0.93V低电压工作设计的耳机放大器									
Part No.	Supply Voltage (V)	Quiescent Current (mA)	Maximum Output Power (mW)		Distortion (%)		Output Noise Voltage (μ Vrms)	Package	
			Single-ended(16 Ω)	BTL(8 Ω)	Single-ended(16 Ω)	BTL(8 Ω)			
BU7150NUV	0.93 to 3.5 (Ta=0°C or more)	1.0	14 (VDD = 1.5V)	85 (VDD = 1.5V)	0.1 (Po = 5mW)	0.2 (Po = 25mW)	10	VSON010V3030	

标准耳机放大器							
Part No.	Supply Voltage (V)	Quiescent Current (mA)	Voltage Gain (dB)	Maximum Output Power(mW) RL=16 Ω	Distortion (%)	Ripple Rejection (dB)	Package
BH3544F	2.8 to 6.5	7.0	6	62	0.02	57	SOP8
BH3547F	4.5 to 6.5	3.7	6	77	0.05	57	SOP8
BH3548F	4.0 to 5.5	6.5	6	62 (120@RL = 8 Ω)	0.02	57	SOP8

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音频 / 视频

其他

音频子系统															
Part No.	Supply Voltage (V)	Power Dissipation (mW)	Quiescent Current (mA)	Standby Current (μA)	SP Amp.			HP Amp.			Package				
					Voltage Gain (dB)	Distortion (%)	Output Power(W) V _{CC} =5V	Voltage Gain (dB)	Distortion (%)	HP AMP/Maximum Output Voltage (dBV) V _{CC} =3.3V					
BH7881EFV	3.3 to 5.5	1100	18	0	11(SE)/17(BTL)	0.04	2	5.5	0.02	1.4	HTSSOP-B24				
BH7884EFV	3.0 to 5.5	1100	9	0.2	12(SE)/18.2(BTL)	0.1	1	5.6	0.03	1.0	HTSSOP-B24				
线路放大器 (OP Amplifier)															
Part No.	Supply Voltage (V)	Circuit Current (mA)	Open Loop Gain (dB)	Input	CMRR (dB)	Supply Voltage Rejection Ratio (dB)	Common-mode Input Voltage Range(V) V _{CC} = 8V	Offset Voltage (mV)	Offset Current (nA)	Input Bias Current (nA)	Distortion (%)	Channel Separation (dB)	Gain Bandwidth Product (MHz)	Slew Rate (V/μs)	Package
BA3131FS	6.0 to 16.0	4.9	110	3	72	90	6	0.5	5	50	0.003	115	2.6	1.2	SSOP-A20
线路放大器 (Output Coupling Capacitor-less Line Amplifier)															
Part No.	Supply Voltage (V)	Circuit Current (mA)	Channel	Voltage Gain (dB)	Maximum Output Voltage (Vrms)	Distortion (%)	Output Noise Voltage (μVrms)	Channel Separation (dB)	Ripple Rejection (dB)	Charge Pump	Package				
BD8876FV	3.0 to 5.5	3.2	2	6 or 9	3.5	0.0025	8	80	65	✓	SSOP-B14				
BD8878FV	3.0 to 5.5	3.2	2	6.7	3	0.0025	10	65	65	✓	SSOP-B14				
线路放大器 (Preamps with Built-in ALC)															
Part No.	Supply Voltage (V)	Circuit Current (mA)	Open Loop Gain (dB)	Distortion (%)	Input Resistance (Ω)	Maximum Output Voltage (Vrms)	Equivalent Input Noise Voltage (μVrms)	ALC Range (dB)	Channel Balance (dB)	Channel Separation (dB)	Package				
BA3308F	4.5 to 14.0	3.5	80	0.1	25	1.2	1.0	45	0	75	SOP14				
BA3308FV	4.5 to 14.0	3.5	80	0.1	25	1.2	1.0	45	0	75	SSOP-B14				
隔离放大器															
Part No.	Supply Voltage (V)	Operating Temperature (°C)	Circuit	Circuit Current (mA)	Voltage Gain (dB)	CMRR (dB)	Common-mode Input Voltage Range(V) V _{CC} = 8V	THD (%)	Output Noise Voltage (μVrms)	Channel Separation (dB)	Slew Rate (V/μs)	Input Resistance (kΩ)	Package		
BA3121F	4.0 to 18.0	-30 to +85	2	9.0	-0.04	57	3.75	0.002	3.5	82	2.0	55	SOP8		
BA3123F	4.0 to 18.0	-40 to +85	2	9.0	-0.04	57	3.75	0.002	3.5	82	2.0	55	SOP8		

音频处理器

模拟音频处理器

内置 μ-step音量6ch/8ch声音处理器												
Part No.	Supply Voltage (V)	Circuit Current (mA)	Output Noise Voltage (μVrms)	Distortion (%)	Selector	Main Volume		Zone Volume		Tone Control	Serial Control	Package
						Channel (ch)	Gain	Channel (ch)	Gain			
BD34704KS2	± 6.5 to ± 7.5	± 32	1.2	0.0004	18	+ 32 to - 95dB 0.5dB/Step	8	+ 7.5 to - 91.5dB 0.5dB/Step	2	-	2 Wire	SQFP-T80C
BD34705KS2	± 6.5 to ± 7.5	± 32	1.2	0.0004	12	+ 32 to - 95dB 0.5dB/Step	8	+ 6 to - 16dB 1dB/Step - 16 to - 56dB 2dB/Step	2	-	2 Wire	SQFP-T64
BD34701KS2	± 6.5 to ± 7.5	± 22	1.5	0.0004	8	+ 32 to - 95dB 0.5dB/Step	8	-	-	-	2 Wire	SQFP-T52
BD3471KS2	± 6.5 to ± 7.5	± 30	1.5	0.0004	12	+ 24 to - 95dB 0.5dB/Step	8	-	-	-	2 Wire	SQFP-T80C
BD3473KS2	± 6.5 to ± 7.5	± 30	1.5	0.0004	12	+ 24 to - 95dB 0.5dB/Step	8	-	-	Bass, Treble	2 Wire	SQFP-T80C
BD3474KS2	± 6.5 to ± 7.5	± 30	1.5	0.0004	12	+ 32 to - 95dB 0.5dB/Step	8	-	-	Bass, Treble	2 Wire	SQFP-T80C
2ch/4ch/6ch声音处理器												
BD34700FV	± 6.5 to ± 7.5	± 22	1.5	0.0004	-	+ 32 to - 95dB 0.5dB/Step	4	-	-	-	2 Wire	SSOP-B40
☆BD34710FV	± 6.5 to ± 7.5	± 22	1.5	0.0004	3	+ 32 to - 95dB 0.5dB/Step	6	-	-	-	2 Wire	SSOP-B40
BD3812F	± 5.0 to ± 7.3	± 2	1.2	0.0050	-	0.6 to 18dB 2dB/Step 0 to - 103dB 1dB/Step	2	-	-	-	2 Wire	SOP14
BD3814FV	± 5.0 to ± 7.3	± 7	1.0	0.001	-	0 to - 95dB 1dB/Step	6	-	-	Bass, Treble	2 Wire	SSOP-B40

☆: 开发中

6ch声音处理器													
Part No.	Supply Voltage (V)	Circuit Current (mA)	Output Noise Voltage (μ Vrms)	Distortion (%)	Selector	Input Gain	Output Gain	Volume	Number of Volume	Tone Control	Bass Boost	Serial Control	Package
BD3811K1	± 5.0 to ± 7.3	± 15	2.0	0.005	8	0,6dB	0,6 to 18dB 2dB/Step	0 to -103dB 1dB/Step	6	Bass, Treble	✓	2 Wire	QFP80
BD3818KS	± 5.0 to ± 7.4	± 28	1.0	0.002	5	0,3,6,9dB	-	0 to -95dB 1dB/Step	6	Bass, Treble	(Dynamic)	2 Wire	SQFP80

7ch声音处理器													
Part No.	Supply Voltage (V)	Current Consumption (mA)	Output Noise Voltage (μ Vrms)	Distortion (%)	Selector	Input Gain	Output Gain	Volume	Number of Volume	Tone Control	Serial Control	Package	
BD3816K1	± 5.0 to ± 7.3	± 24	1.2	0.001	7	0 to 7dB 1dB/Step	0 to 17dB 1dB/Step	0 to -95dB 1dB/Step	7	Bass, Treble	2 Wire	QFP80	
BD3817KS	± 5.0 to ± 7.3	± 24	1.2	0.001	10	0 to 7dB 1dB/Step	0 to 17dB 1dB/Step	0 to -95dB 1dB/Step	7	Bass, Treble	2 Wire	SQFP100	

6ch/9ch立体声输入选择器IC 最大输入电压4.2V									
Part No.	Supply Voltage (V)	Current Consumption (mA)	Output Noise Voltage (μ Vrms)	Distortion (%)	Selector	Serial Control	Package		
BD3843FS	± 4.0 to ± 7.3	± 3	1.0	0.004	6	2 Wire	SSOP-A24		
BD3841FS	± 5.0 to ± 7.3	± 3	1.0	0.004	9	2 Wire	SSOP-A32		

内置2频段均衡器的声音处理器																
Part No.	Supply Voltage (V)	Current Consumption (mA)	Selector		Input Gain (dB)	Volume (dB)	Fader		Parametric EQ	Loudness	LPF for Sub Woofer	Option	Serial Control	Output Noise Voltage (μ Vrms)	Distortion (%)	Package
			Single	Diff.			(dB)	Output								
BD37503FV	7 to 9.5	20	3	1	0 to +20	0 to -36, -∞	0 to -63, -∞	4	-	✓*	-	Anti-aliasing Filter*	I ² C BUS	5.8	0.001	SSOP-B20
BD37511FS	7 to 9.5	15	3	0	0 to +20	0 to -40	0 to -62, -∞	4	-	-	-	-	I ² C BUS	6	0.005	SSOP-A20
BD37512FS	7 to 9.5	15	3	1	0 to +20	0 to -40	0 to -62, -∞	4	-	-	-	-	I ² C BUS	6	0.005	SSOP-A20
BD37513FS	7 to 9.5	38	3	1	0 to +20	+15 to -79, -∞	0 to -79, -∞	4	-	✓	-	-	I ² C BUS	3.8	0.001	SSOP-A20
BD37514FS	7 to 9.5	38	3	1	0 to +20	+15 to -79, -∞	0 to -79, -∞	5	✓	✓	-	-	I ² C BUS	3.8	0.001	SSOP-A20
BD37515FS	7 to 9.5	38	3	1	0 to +20	+15 to -79, -∞	+15 to -79, -∞	5	✓	✓	✓	-	I ² C BUS	3.8	0.001	SSOP-A20
BD37521FS	7 to 9.5	38	3	1	0 to +20	+15 to -79, -∞	0 to -79, -∞	4	-	EXT	-	-	I ² C BUS	3.8	0.001	SSOP-A24
BD37522FS	7 to 9.5	38	4	1	0 to +20	+15 to -79, -∞	0 to -79, -∞	4	✓	✓	-	-	I ² C BUS	3.8	0.001	SSOP-A24
BD37523FS	7 to 9.5	38	4	1	0 to +20	+15 to -79, -∞	+15 to -79, -∞	5	✓	✓	✓	-	I ² C BUS	3.8	0.001	SSOP-A24
BD3870FS	4.5 to 9.5	8	3	-	0/6/12/18	0 to -87, -∞	-	2	EXT	-	-	Surround	2 Wire	4.5	0.01	SSOP-A24
BD3871FS	4.5 to 9.5	8	3	-	24/26/28	0 to -87, -∞	-	2	EXT	-	-	Surround	2 Wire	40 (Gv=24dB)	0.01	SSOP-A24
BD3872FS	4.5 to 9.5	8	5	-	0/5/10/19/ 23/26/28	0 to -87, -∞	-	2	EXT	-	-	Surround	2 Wire	4.5	0.01	SSOP-A32
BD3873FS	4.5 to 9.5	8	3	-	18/21/24/27	0 to -87, -∞	-	2	EXT	-	-	Surround	2 Wire	40 (Gv=24dB)	0.01	SSOP-A24
BD3490FV	4.75 to 9.5	7	4	-	0/2/4/6/ 8/12/16/20	0 to -87 (2ch Independent control), -∞	-	2	EXT	-	-	Bass Boost, Surround	I ² C BUS	5	0.002	SSOP-B28
BD3491FS	4.75 to 9.5	7	6	-	0/2/4/6/ 8/12/16/20	0 to -87 (2ch Independent control), -∞	-	2	EXT	-	-	Bass Boost, Surround	I ² C BUS	5	0.002	SSOP-A32

内置2频段均衡器的声音处理器：搭载低音、高音 *可排他性使用响度 EXT：由外置元件设定

内置2频段均衡器的声音处理器：BD37511FS、BD37512FS的功能兼容。BD37513FS、BD37514FS、BD37515FS的功能兼容。BD37522FS和BD37523FS的功能兼容。

模拟音频处理器

内置3频段均衡器的声音处理器																			
Part No.	Supply Voltage (V)	Current Consumption (mA)	Selector		Input Gain (dB)	Volume (dB)	Fader		Parametric EQ	Loudness	LPF/HPF for Sub Woofer	Mixing		Level Meter	Option	Serial Control	Output Noise Voltage (μVrms)	Distortion (%)	Package
			Single	Diff.			(dB)	Outputs				ATT	ATT						
BD37524FS	7.0 to 9.5	38	4	1	0 to +20	+15 to -79, -∞	+15 to -79, -∞	6	✓	✓	LPF	-	-	✓	-	I ² C BUS	3.8	0.001	SSOP-A24
BD37531FV	7.0 to 9.5	38	2/3/5	3/2/1	0 to +20	+15 to -79, -∞	+15 to -79, -∞	6	✓	✓	-	-	-	-	-	I ² C BUS	3.8	0.001	SSOP-B28
BD37532FV	7.0 to 9.5	38	2/3/5	3/2/1	0 to +20	+15 to -79, -∞	+15 to -79, -∞	6	✓	✓	LPF	-	-	-	-	I ² C BUS	3.8	0.001	SSOP-B28
BD37533FV	7.0 to 9.5	38	2/3/5	3/2/1	0 to +20	+15 to -79, -∞	+15 to -79, -∞	6	✓	✓	LPF	✓	✓	-	-	I ² C BUS	3.8	0.001	SSOP-B28
BD37534FV	7.0 to 9.5	38	2/3/5	3/2/1	0 to +20	+15 to -79, -∞	+15 to -79, -∞	6	✓	✓	LPF	✓	✓	✓	-	I ² C BUS	3.8	0.001	SSOP-B28
BD37541FS	7.0 to 9.5	38	2/3/5	3/2/1	0 to +20	+15 to -79, -∞	0 to -79, -∞	6	✓	EXT	-	✓	-	-	-	I ² C BUS	3.8	0.001	SSOP-B28
BD37542FS	7.0 to 9.5	38	2/3/5	3/2/1	0 to +20	+15 to -79, -∞	+15 to -79, -∞	6	✓	EXT	LPF	✓	✓	-	-	I ² C BUS	3.8	0.001	SSOP-A32
BD37543FS	7.0 to 9.5	38	2/3/5	3/2/1	0 to +20	+15 to -79, -∞	+15 to -79, -∞	6	✓	EXT	LPF + HPF	✓	✓	✓	-	I ² C BUS	3.8	0.001	SSOP-A32
BD37544FS	7.0 to 9.5	38	1/3/4	3/2/1	0 to +20	+15 to -79, -∞	+15 to -79, -∞	6	✓	-	LPF + HPF	✓	✓	-	Super Bass	I ² C BUS	3.8	0.001	SSOP-A32
BD37545FS	7.0 to 9.5	38	2/3/5	3/2/1	0 to +20	+15 to -79, -∞	+15 to -79, -∞	6	✓	-	LPF + HPF	✓	✓	✓	External I/O	I ² C BUS	3.8	0.001	SSOP-A32
BD37033FV-M	7.0 to 9.5	31	3/5	2/1	0 to +16	+15 to -79, -∞	+15 to -79, -∞	6	✓	✓	LPF	✓	✓	✓	-	I ² C BUS	5.5	0.002	SSOP-B28
BD37034FV-M	7.0 to 9.5 VccL to 13	36	3/5	2/1	0 to +16	+15 to -79, -∞	+15 to -79, -∞	6	✓	✓	LPF + HPF	✓	✓	✓	High Voltage Output	I ² C BUS	6	0.002	SSOP-B28
BD3883FS	6.5 to 9.5	8	5	-	0/6/12/16/20/23/26/29	0 to -87, -∞	0/-10	2	EXT	-	-	-	-	-	Surround	2 Wire	4	0.01	SSOP-A32
BD3403FV	6.5 to 9.5	16	5	-	0 to +26 (2dB/Step)	0 to -30 (2dB/Step)	0 to -59, -∞	2	EXT	-	-	-	-	-	Surround	2 Wire	8	0.02	SSOP-B40

内置高级开关的通用电子音量控制器																	
Part No.	Supply Voltage (V)	Current Consumption (mA)	Selector		Input Gain (dB)	Fader Volume (dB)	Outputs	Mixing		Post Filter	High-Voltage Output (dB)	Serial Control	Output Noise Voltage (μVrms)	Distortion (%)	Package		
			Single	Diff.				Channel (ch)	ATT (dB)								
BD3464FV	7.0 to 9.5	25	-	-	-	+23 to -79, -∞ (1dB/Step)	4	-	-	-	-	I ² C BUS	1.9	0.0004	SSOP-B20		
BD3465FV	7.0 to 9.5	25	-	-	-	+23 to -79, -∞ (1dB/Step)	4	3	+0 to -64, -∞ (8dB/Step)	-	-	I ² C BUS	1.9	0.0004	SSOP-B20		
BD3460FS	7.0 to 9.5	25	-	-	-	+23 to -79, -∞ (1dB/Step)	6	-	-	-	-	I ² C BUS	1.9	0.0004	SSOP-A24		
BD3461FS	7.0 to 9.5	25	-	-	-	+23 to -79, -∞ (1dB/Step)	6	3	+0 to -64, -∞ (8dB/Step)	-	-	I ² C BUS	1.9	0.0004	SSOP-A24		
BD34602FS-M	7.0 to 9.5	35	-	-	-	+23 to -79, -∞ (1dB/Step)	6	3	+0 to -79, -∞ (1dB/Step)	-	-	I ² C BUS	1.3	0.0004	SSOP-A24		
BD37067FV-M	7.0 to 9.5	37	2/3/4/5	4/3/2/1	+23 to -15 (1dB/Step)	+23 to -79, -∞ (1dB/Step)	6	1	-	✓	-	I ² C BUS	8	0.003	SSOP-B40		
BD37068FV-M	7.0 to 9.5 VccL to 17.8	30/7	1/2/3/4/5	5/4/3/2/1	+23 to -15 (1dB/Step)	+23 to -79, -∞ (1dB/Step)	6	1	-	✓	0/8.3	I ² C BUS (High-Voltage Mode)	23	0.003	SSOP-B40		
BD37069FV-M	7.0 to 9.5 VccL to 17.8	30/7	2/3/4/5	4/3/2/1	+23 to -15 (1dB/Step)	+23 to -79, -∞ (1dB/Step)	6	1	-	✓	2/4.6/8.3	I ² C BUS (High-Voltage Mode)	23	0.003	SSOP-B40		

5.1ch汽车影院用6ch电子音量控制器																	
Part No.	Supply Voltage (V)	Current Consumption (mA)	Input Selector		Input Gain (dB)	5.1ch Volume (dB)	Monaural Volume (dB)	Output Gain (dB)	Mix Car Nav. Cell Phones	Output for Spectrum Analyzer	Serial Control	Output Noise Voltage (μVrms)	Distortion (%)	Package			
			Single Input	Monaural Differential Amplifier Input													
BD3433K	± 7.0 to ± 9.5	12	5.1ch × 2	1	0,6,12 (Each F,R)	+23 to -79, -∞ (1dB/step)	+15 to -63, -∞ (1dB/step)	0, +2.5(A) 0, -4.5(B)	✓	✓	3 Wire	3	0.001	QFP44			

内置3频段均衡器的语音处理器：EXT：由外部元件设定

内置磁带录放功能的单电源规格声音处理器																	
Part No.	Supply Voltage (V)	Current Consumption (mA)	Selector	Input Gain (dB)	Volume (dB)	Tone Control	Dynamic Bass	Surround	REC/PB Amp.	Vocal Cut	Output for Spectrum Analyzer	Serial Control	Output Noise Voltage (μVrms)	Max. Output (Vrms)	Distortion (%)	Package	
																	BD3401KS2
BD3402KS2	8.0 to 9.5	28	5	-5/0/3.5	0 to -76/-∞ (2/4/Step)	Bass, Treble	-	-	✓	-	-	2 Wire	2.5	2.5	0.005	SQFP-T64	

频谱分析显示器用带通滤波器IC										
Part No.	Supply Voltage (V)	Current Consumption (mA)	Band	Input Mix Amplifier	REC Level Display	Standard Output(V)	Maximum Output (V)	BPF Center Frequency (Hz)		Package
BA3835F	4.5 to 6.5	8.5	5	✓	-	1.35	4.8	105,340,1k, 3.4k,10.5k		SOP18
BA3834F	4.5 to 6.5	10.0	7	✓	-	1.35	4.8	68,170,420,1k, 2.4k,5.9k,14.4k		SOP18

内置3频段均衡器的声音处理器：BD37531FV、BD37532FV、BD37533FV和BD37534FV引脚兼容。
 BD37541FS、BD37542FS、BD37543FS引脚兼容。BD37033FV-M、BD37034FV-M引脚兼容。
 内置高级开关的通用电子音量控制器：BD3460FS、BD3461FS、BD34602FS-M引脚兼容。BD3464FS、BD3465FS引脚兼容。BD37067FV-M、BD37068FV-M引脚兼容。