

ICs for Audio Applications

CD/CD-ROM

●Pre amplifier

Part No.	Supply voltage range (V)	RF amp.	FE amp.	TE amp.	APC amp.	Bias amp.	Feature	Package
New BA6381FS	4.5~5.5	○	○	○	○	○	Small package, double speed applicable.	SSOP16
New BA6382FS	4.5~5.5	○	○	○	○	○	Small package, double speed applicable.	SSOP

●Post amplifier

Part No.	Supply voltage range (V)	Function	Function			Feature	Package
			Ripple filter of power supply	Muting	LPF		
BA3558K	1.8~6.0 5.5~7.5	Amplifier for CD which has built-in de-emphasis and headphone amplifier.	○	○	○	Auto ON/OFF. Stand-by supply system.	QFP32
New BH3561F	4.5~8	Applying single bit DAC		○	○	Built-in LPF resistor network	SOP22
New BH3562F	3.1~5.5	Applying single bit DAC		○	○	Built-in LPF resistor network	SOP22
☆BH3540FS	4.5~5.5	H/P amp with LPF+EVR Multibit		○	○	Built-in Noise prevention circuit enabled few external components	SSOP16
☆BA3532FS	4.5~5.5	LPF,de-emphasis,EVR,Mute, Line,head phone amplifier		○	○		SSOP20

Note : ☆:Under development

●CD/CD-ROM driver

Part No.	Supply voltage range (V)	Power dissipation (W)	Output		Output system	Number of circuit	TSD	Muting pin	Operation amplifier	Regulator	Feature	Package	
			Condition	Condition									
BA6280AF	5.5~12	0.55	Io=0.5A		PWM	2	○	○			Low power consumption	SOP22	
New BA5900FP	3~14	1.8	Vo=6Vpp			4	○	○				2ch PWM (V.F.B) 2ch linear	HSOP28
BA6294	5~16	2.0	Io=0.5A			2	○	○				Large package power	HSIP10
BA6295AFP	7.5~18	1.7★	6.2Vpp	10V,8Ω		2	○	○				Few external components. Suitable for car audio.	HSOP28
New BA6195FP	4.5~13.5	1.7★	5.4Vpp	8V,8Ω		1	○	○	○			1ch version of BA6790 OP+AMP	HSOP28
New BA6196FP	6~9*1	1.7★	3.8Vpp	10V,8Ω		4	○	○	○			Few external components.	HSOP28
New BA6198FP	5.5~9*1	1.7★	4.3Vpp	8V,8Ω		4	○	○	○			BA6398 with Vreg. drop reset	HSOP28
BA6296FP	5.5~9*1	1.7★	3.8Vpp			4	○	○	○			Few external components.	HSOP28
BA6297AFP	6~9	1.7★	4.5Vpp			4	○	○				Applicable to digital servo.	HSOP28
BA6298FP	5.5~9*1	1.7★	4.5Vpp			4	○	○	○			Few external components.	HSOP28
BA6392FP	6~9	1.7★	4.5Vpp			4	○	○				Applicable digital servo. Few external components.	HSOP28
BA6396FP	5.5~9*1	1.7★	4.3Vpp			4	○	○	○			Independent muting	HSOP28
BA6397FP	4.5~9*1	1.7★	4.3Vpp			4	○	○	○			BA6398FP w/o VCC muting	HSOP28
BA6398FP	5.5~9*1	1.7★	4.3Vpp			4	○	○	○			General purpose	HSOP28
BA6790FP	4.5~9*1	1.7★	5.4Vpp		4	○	○	○			Wide dynamic range	HSOP28	
BA6798S	5.5~14*1	3.1	4.3Vpp		4	○	○	○			Large package power	SDIP-M24	
BA6395AFP	4.8~12*1	1.7★	4.3Vpp		5	○	○	○			5 ch driver, Loading capability	HSOP28	
New BA6795FP	4.8~12*1	1.7★	4.3Vpp		5	○	○	○			5 ch driver, Loading capability	HSOP28	
New BA6796FP	4.8~12	1.7★	4.3Vpp		5	○	○	○			5 ch driver, Loading capability	HSOP28	
New BA6896FP	5.5~14	1.7★	4.3Vpp		4	○	○	○			BA6396 with OP Amp D range up	HSOP28	
New BA6199FP	4~11*1	1.7★	6Vpp		3	○	○	○			Provides reset output.	HSOP28	
BA6299FP	4~11*1	1.7★	6Vpp		4	○	○	○			Few external components. Suitable for car audio.	HSOP28	
BA6394FP	3.1~11	1.7★	4.5Vpp		4	○	○	○			Low operating voltage: 3.5V	HSOP28	
BA6399FP	4~11	1.7★	6Vpp		4	○	○	○			Few external components	HSOP28	
BA6890FP	1.5~9	1.7★	6Vpp		4	○	○	○			Low voltage, Brake mode	HSOP28	
New BA6899S	4~14*1	3.1	8Vpp		4	○	○	○			Large package power	SDIP-M24	
New BA6999FP	4~14*1	1.8	6Vpp		4	○	○	○			High gain (20dB) settable	HSOP28	

Notes : 1.*:Regulator is operatable at up to 6V.
2.*:Value measured under actual operating condition.

●Loading motor driver

Part No.	Supply voltage range (V)	Power dissipation (W)	Output	Condition	Output system	Number of circuit	TSD	Feature	Package
BA6191	-7~16	2.2	+5Vor-5V	Vcc=-10V Vref=2.5V	H bridge	2	○	2 CH independent FWD/REV	HSIP-B12
New BA6193	-7~16	1.0	+5Vor-5V	Vcc=-10V Vref=2.5V	H bridge	2	○	Negative supply	DIP16

●Peripheral IC of portable CD player

Part No.	Supply voltage range (V)	Function	Feature	Package
BA3124F	1.7~7.0	Line output muting	4 channels, 63dB muting attenuation	SOP8
BA3890F	2.9~3.6	Pulse width control	Controls pulse width in proportion to battery voltage	SOP8
BA3990F	2.5~4.5	Ripple filter	Io=0~18mA RR=38dB	SOP8
BA9709F	1.7~4.5	Power switch	Power transmission efficiency is 83%	SOP8