

2 SOUND PROCESSOR

CD PLAYERS

Application	Type No.	Function	Typical electrical characteristics		Package outline	Remarks
			V _{CC} (V)	I _{CC} (mA)		
CD player	M51567P	Optical Pick-up Pre-Amp	5	15	24P2Q	
	M62474FP	Optical Pick-up Pre-Amp	±5	13	24P2Q	
	M51593FP	Optical Pick-up Pre-Amp with ALPC	5, ±5	20	20P2E	
	M51564P	Optical Pick-up Servo Control	5, ±5	±15	36P2R	
	M62472FP	Optical Pick-up Pre-Amp and Servo	5	20	42P2R	
	M62473FP	★ ★ Optical Pick-up Pre-Amp and Servo with Auto Adjustment	5	20	42P2R	Automatic adjustment
	M62475FP	Optical Pick-up Pre-Amp and Servo with Auto Adjustment	5	20	42P2R	Automatic adjustment
	M52131FP	× Optical Pick-up	5, ±5	±15	42P2R	
	M51590FP	× Analog amplifiers for CD player	9	5	20P6N	
	M5204P	× Analog amplifiers for CD player	5	11	20P4B	With mute SW
	M62471FP	Head phone Amp for CD player	3	10	24P2Q	
	M62477FP	★ Analog amplifiers for CD player	5	4	14P2N	
Signal processing for CD player	M62478FP	★ ★ Pre-Servo with Auto Adjustment for High Speed CD-ROM	5	65	56P6S	Automatic adjustment
	M65821FP	★ Signal Processor included RAM for CD player	5	45	42P2R	18K SRAM
	M65824FP	★ ★ Signal Processor included DAC for CD player	5/3.3	20	42P2R	18K SRAM
	M65827FP	★ ★ Signal Processor for 8 times CD-ROM	5/3.3	20	42P2R	18K SRAM

× : Plan for production discontinue

KARAOKE PROCESSORS

Application	Type No.	Function	Typical electrical characteristics		Package outline	Remarks
			V _{CC} (V)	I _{CC} (mA)		
Digital Echo	M50195P	Digital Echo	5	15	36P4E	3 Steps
	M65830CP/CFP	Single Chip Digital Echo	5	16	24P4/24P2W	RAM 16K
	M65831AP/AFP	Single Chip Digital Echo	5	16	24P4/24P2W	RAM 48K
	M65832SP/FP**	Single Chip Digital Echo	5	40	40P4B/56P6N	RAM 18K
	M65843AP/AFP	Single Chip Digital Echo	5	16	24P4/24P2W	RAM 10K
	M65844P	Single Chip Digital Echo	5	15	14P4	RAM 4K
	M65839FP/SP	Single Chip Mic Echo	5	25	36P2R/36P4E	RAM 16K, Mic Mixer
	M65845FP/SP	Single Chip Mic Echo	5	45	36P2R/36P4E	RAM 4K, Mic Mixer
	M65850P/FP	★ Single Chip Digital Echo	5	15	14P4/16P2N	RAM 20K
Digital Key Controller	M65840FP/SP	Single Chip Digital Key Controller	5	20	28P2W/28P4B	RAM 32K
	M65847FP/SP/AFP**	Single Chip Digital Key Controller	5	20	28P2W/28P4B	RAM 16K
Karaoke Processor	M65835FP	Single Chip Karaoke Processor	5	65	100P6S	RAM 32K + 18K
	M65848SP	Single Chip Karaoke Processor	5	40	36P4E	Built in I ² C I/F
	M65851FP	★ ★ Single Chip Karaoke Processor	5	60	80P6N	Built in Surround Equalizer
MIC Amp	M62453SP	MIC Amp/Mode Selector	9	20	28P4B	MIC 2 Systems

SURROUND PROCESSORS (ICs for sense of immediacy playback)

Application	Type No.	Function	Typical electrical characteristics		Package outline	Remarks
			V _{CC} (V)	I _{CC} (mA)		
Dolby Pro Logic	M69032P	Dolby Pro Logic Surround Decoder	12	35	56 pin SDIP	
	M65830BP/BFP	Single Chip Digital Delay	5	16	24P4/24P2W	RAM 16K
Digital Delay	M50198P/FP	Single Chip Digital Delay	5	40	24P4/24P2W	RAM 8K
	M65841SP	Single Chip Digital Reverberation	5	40	40P4B	RAM 40K
Surround Processor	M65846FP	Single Chip Surround Processor	5	30	32P2W	RAM 16K, Line Mixer
	M65849FP/BFP**	Single Chip Surround Processor	5	30	32P2W	RAM 16K, Line Mixer
	M62460FP	★ ★ Single Chip Surround Processor with Dolby Pro Logic Decoder	9/5	37/25	80P6N	RAM 16K, Echo

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