

# 4 VCR SYSTEMS

## SIGNAL PROCESSING

Application	Type No.	Function	Typical electrical characteristics		Package outline	Remarks
			V <sub>cc</sub> (V)	I <sub>cc</sub> (mA)		
Signal processing	M51646SP/GP	VHS Chroma Processor	5	50	30P4B/32P2U	SECAM
	M52057FP	VHS Chroma Processor (Standard)	5	65	48P6S	NTSC/PAL/MESECAM
	M52062AFP	S-VHS Chroma Processor (1chip S-VHS-PAL)	5	40	48P6S	NTSC/PAL/MESECAM
	M52366FP	S-VHS Chroma Processor (with CNR and Logical Comb)	5	80	56P6N	NTSC
	M52370AFP	S-VHS PAL Chroma Processor (with CNR)	5	85	56P6S	NTSC/PAL/MESECAM
	M52064L	VHS PAL-M Chroma Processor (PAL-M det, Comb SW)	5	21	24P5A	
	M52362FP	VHS PAL-M Chroma Processor	5	20	24P2Q	
	M52379FP	PAL-M Detector	5	17	32P2U	
	M52087SP/FP	Luminance FM Processor (FM Inversion Compensation)	5	35	30P4B/32P2U	
	M52357SP/VP	Luminance FM Equalizer (with Active Delay Line)	5	32	20P4B/20P2E	VHS/S-VHS/8mmVCR
	M52363SP/FP/VP	FM Equalizer for S-VHS (REC EQ)	5	40	20P4B/20P2N/20P2E	
	M52364P/FP	FM Equalizer for VHS	5	35	16P4/16P2N	
	M52374SP/FP/VP	FM Equalizer for S-VHS (Hi-8) S-VHS, Hi-8 Detector	5	35	20P4B/20P2N/20P2E	
	M52375P	FM Equalizer for QS-PB	5	35	16P4	
	M52376FP	FM Equalizer for S-VHS (REC SW)	5	35	20P2N	
	M52063SP/FP	NTSC/PAL Transcoder (quasi PAL)	5	20	20P4B/20P2N	
	M52081SP	NTSC/PAL Mutual Full Transcoder	5	35	32P4B	
	M52352FP	NTSC/PAL Transcoder with Comb SW (quasi PAL)	5	31	32P2U	
	M52084FP/SP	S-VHS Luminance Processor	5	100	56P6S/52P4B	
	M52356GP	S-VHS Luminance Processor (Low Power, Low Noise)	5	50	56P6S	
	M52099P/FP	NTSC Adaptive Analog Y/C Separation	5	20	14P4/14P2N	
	M52354FP	NTSC Adaptive Analog Y/C Separation	5	20	14P2N	
	M52350FP/GP	Color Aperture Improvement Color TINT Control Noise cancel	5	67	56P6N/48P6S	NTSC/PAL
	M52371FP	Color Aperture Improvement Noise cancel	5	46	32P2U	NTSC/PAL
	M52359FP	VHS-C/S-VHS-C 4ch REC/PB Amp	5.3,3	50	48P6S	5V single power supply is possible
	M52385FP	VHS-C 4ch REC/PB Amp	4.8,3.2	60	48P6D	
M52380FP	Y/C/A Processor for VHS Play back only system	5	90	48P6S	PAL	
M52382FP	Y/C/A Processor for VHS Play back only system	5	90	48P6S	NTSC	
M52393P/FP	EDTV- II Detector	5	28	16P4/16P2N		
Hi-Fi VCR	M51652P	Noise Reduction with Input mode Select Switch IC for Hi-Fi VCR Audio	5,9	30	48P4B	
	M51653P	FM Modulator, Demodulator IC for Hi-Fi VCR Audio	5	60	52P4B	
	M51658AP	Input Mode Switch & Electronic ATT	12	30	24P4	
8mm VCR	M51460P/FP/VP	2ch Video Pre Amp	5	8	14P4/14P2/16P2E	
	M52358VP	PAL-JOG, PAL-M, (with BPF)	4.75	35	24P2E	
	M52369FP	2ch REC/PB AMP	4.75	45 (REC)	48P6S	8mm VCR
VCR Camera	M52944FP	RGB Photo Sensor with Filter on chip for Auto White Balance	3	4.0	10C2	
	M51280FP	Y-AGC (with $\gamma$ Amp for Iris)	5	8	10P2	
	M51282FP	SECAM Chroma Encoder	5.0	50	48P6S	

X : Plan for production discontinue