

2 APPLICATION-SPECIFIC MICROCOMPUTERS

■ SOFTWARE SURVO MICROCOMPUTERS (VCR) (7770 SERIES)

Memory type	Type No.	Clock oscillating frequency (MHz)	Shortest instruction execution time (ns)	Operating temperature range (°C)	Power supply voltage (V)	Memory size (bytes)		Functions		IC bus	Package
						ROM	RAM	CTL amp.	High voltage output port		
Mask ROM	M37774M5HXXXGP	16	250	-10 to 70	4.5 to 5.5 2.7 to 5.5 (When operated 32kHz)	40K	800	●	—	—	100pin QFP (100P6S-A)
	M37774M9HXXXGP					72K	1536	●	—	—	
	M37775M5HXXXGP					40K	800	—	●	—	
	M37775M7HXXXGP					56K	1280	—	●	—	100pin QFP (100P6P-E)
	M37776M5AXXXGP					40K	1024	●	—	—	
	M37777MAAXXXGP ★★					80K	2048	●	—	●	
One time PROM	M37779M5AXXXGP ★★					40K	800	—	●	—	100pin QFP (100P6S-A)
	M37774E9AXXXGP					72K	1536	●	—	—	
	M37775E9AXXXGP					72K	1536	—	●	—	
	M37776E9AXXXGP ★					72K	2048	●	—	—	100pin QFP (100P6P-E)
	M37777EFAXXXGP ★★					120K	3072	●	—	●	
EPROM with window	M37774E9AGS					72K	1536	●	—	—	100pin LCC (100D0)
	M37775E9AGS					72K	1536	—	●	—	
	M37776E9AGS ★					72K	1536	—	●	—	
	M37776E9AGS ★★					72K	2048	●	—	—	
	M37777EFAAGS ★★					120K	3072	●	—	●	

Note : The EPROM version with window is provided for evaluation purpose. Do not use it for mass-production.

■ MICROCOMPUTERS FOR REMOTE CONTROL

Discrimination type	Memory size (byte)		Power supply voltage (V)	Ports for key matrix		Stack registers (word)	Extension I/O ports (number)	Remote control signal output	Pin count (number)			Function				Operating temperature range (°C)	Type No.	Correspond to EPROM version and Piggyback type													
	ROM (word× bit)	RAM (word× bit)		Input ports	Output ports				GP/P	FP	GP	A-D conversion	LCD driver	RAM back up	*																
Simple function	512×9	16×4	2.0 to 3.6	5	8	4	1	1	—	—	20	—	—	●	6	-20 to 85	M34238MJ-XXXGP	M34238EKG (OneTimePROM version)													
	768×9	32×4															M34238MK-XXXGP														
Pre-set	4096×10	368×4	2.2 to 3.6	8	10	8	13	1	—	80	—	—	●	●	P	-20 to 70	M34550M4A-XXXFP	M34550E8FS													
	6144×10																M34550M6A-XXXFP														
	8192×10		M34550M8A-XXXFP																												
	2.5 to 3.6		M34550E8-XXXFP																												
	4096×10	128×4	2.0 to 5.5														8	10	8	10	1	—	36	—	—	●	P	-20 to 70	M34570M4-XXXFP ★★	M34570E8FP ★★ (OneTimePROM version)	
	8192×10																												M34570M8-XXXFP ★★		
8192×10	M34570E8-XXXFP ★★																														
Built-in L C D driver	4096×10	368×4	2.2 to 3.6	8	10	8	13	1	—	80	—	—	●	●	P	-20 to 70													M34550M4A-XXXFP	M34550E8FS	
	6144×10																												M34550M6A-XXXFP		
	8192×10		M34550M8A-XXXFP																												
	2.5 to 3.6		M34550E8-XXXFP																												
	4096×10	280×4	2.2 to 3.6														8	5	8	7	1	—	48	—	—	●	●	12	-20 to 70	M34551M4-XXXFP ★★	M34551E8FP ★★ (OneTimePROM version)
	8192×10																													M34551E8-XXXFP ★★	