

Digital Circuits

8200 MSI Series

Type	Description	Prop Delay (ns) or Max. Op. Freq. (MHz)	Pwr ¹ Diss (mW)	Available Packages																	
				14 Pin				16 Pin				24 Pin									
				DP	DC	CJ	DB	CL	DD	MB	MP	N	R								
RM/RC8T09	Quad Bus Driver (Tri-State Outputs)	16	235		X	X															
RM/RC8T10	Quad D-Type Bus Flip-Flop (Tri-State Outputs)	50 MHz	250																		
RM/RC8T20	Bidirectional One-Shot	30	250					X	X		X	X								X	X
RM/RC8200	Dual 5-Bit Buffer Register	35 MHz	400																	X	X
RM/RC8201	Dual 5-Bit Buffer Register (Inv. Outputs)	35 MHz	400																	X	X
RM/RC8202	10-Bit Buffer Register	35 MHz	400																	X	X
RM/RC8203	10-Bit Buffer Register (Inv. Outputs)	35 MHz	400																	X	X
RM/RC8230	8-Input Multiplexer	11	184					X	X				X								
RM/RC8231	8-Input Multiplexer (Open Coll. f Output)	13	184					X	X				X								
RM/RC8232	8-Input Multiplexer	11	172					X	X				X								
RM/RC8233	2-Input 4-Bit Multiplexer	16	200					X	X				X								
RM/RC8234	2-Input 4-Bit Multiplexer (Open Coll.)	16	160					X	X												
RM/RC8235	2-Input 4-Bit Multiplexer (Open Coll.)	16	230					X	X												
RM/RC8241	Quad Exclusive OR Gate	14	225	X	X	X															
RM/RC8242	4-Bit Comparator (Open Coll.)	14	170			X	X													X	X
RM/RC8243	8-Bit Position Scaler	25	315																		
RM/RC8250	Binary-to-Octal Decoder	20	125			X	X						X								
RM/RC8251	BCD to Decimal Decoder	20	135					X	X												
RM/RC8252	(9301) BCD to Decimal Decoder	20	135					X												X	X
RM/RC8260	Arithmetic Logic Element	14	400																		
RM/RC8261	Fast Carry Extender	13	115	X	X	X															
RM/RC8262	9-Bit Parity Generator/Checker	30	300			X	X														
RM/RC8263	3-Input 4-Bit Multiplexer	17	378																	X	X
RM/RC8264	3-Input 4-Bit Multiplexer (Open Coll.)	25	400																	X	X
RM/RC8266	2-Input 4-Bit Multiplexer	14	200																		
RM/RC8267	2-Input 4-Bit Multiplexer (Open Coll.)	17	200					X	X		X										
RM/RC8270	4-Bit Shift Register	23 MHz	168	X	X	X															
RM/RC8271	4-Bit Shift Register	22 MHz	270					X	X		X	X	X	X							
RM/RC8273	10-Bit Serial-In, Parallel-Out Shift Register	35 MHz	340					X	X		X	X	X	X							
RM/RC8274	10-Bit Parallel-In, Serial-Out Shift Register	25 MHz	380					X	X		X	X	X	X							
RM/RC8277	Dual 8-Bit Shift Register	20 MHz	400					X	X		X	X	X	X							
RM/RC8280	Decade Counter	25 MHz	185	X	X	X	X														
RM/RC8281	4-Bit Binary Counter	25 MHz	185	X	X	X	X														
RM/RC8284	Binary Hex Synchronous Up/Down Counter	30 MHz	315			X	X														
RM/RC8285	BCD Decade Synchronous Up/Down Counter	30 MHz	315	X	X	X	X														
RM/RC8290	Presetable High Speed Decade Counter	60 MHz	190	X	X	X	X														
RM/RC8291	Presetable High Speed Binary Counter	60 MHz	190	X	X	X	X														

¹ Power dissipation is given for $V_{CC} = 5.0$ volts; propagation delays are given for the average path. Operating temperature range, RM Types: -55°C to $+125^{\circ}\text{C}$; RC Types: 0°C to $+70^{\circ}\text{C}$.