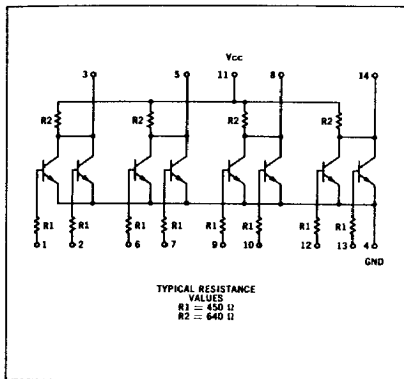
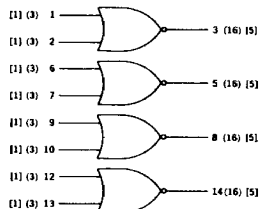


QUAD 2-INPUT GATES

PLASTIC MRTL MC700P/800P series

MC724P • MC824P

Four 2-input positive logic NOR gates in a single package. Each may be used independently, paralleled for increasing the number of inputs (subject to loading rules), or cross-coupled to form bistable elements.

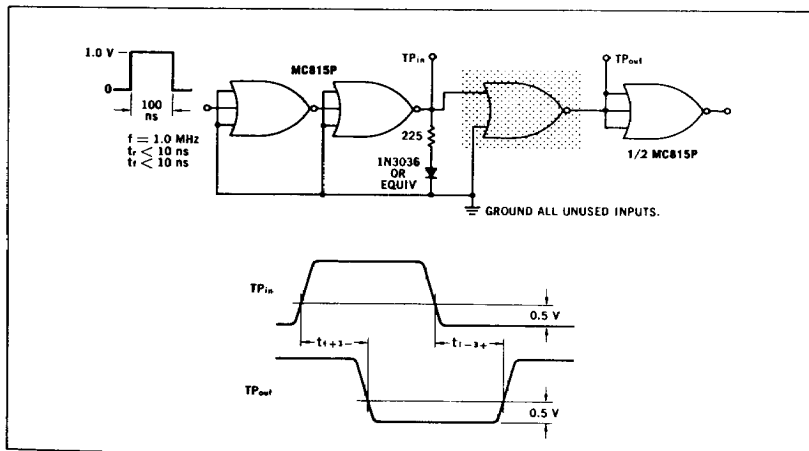


$$3 = 1 + 2$$

NUMBER IN PARENTHESIS INDICATES mW MRTL LOADING FACTOR
 NUMBER IN BRACKETS INDICATES MRTL LOADING FACTOR

$t_{pd} = 12\ \text{ns}$
 $P_D = 100\ \text{mW}$ (Input High)
 $30\ \text{mW}$ (Input Low)

SWITCHING TIMES TEST CIRCUIT AND WAVEFORMS



MC724P, MC824P (continued)

ELECTRICAL CHARACTERISTICS															
Test procedures are shown for one gate only.															
The other gates are tested in the same manner.															
Characteristic	Symbol	Pin Under Test	TEST VOLTAGE VALUES (Volts)												
			Temperature												
			Applied to Pins Listed Below:												
			Test Limits												
			MC824P				MC724P				Test Limits				
			0°C		+25°C		+75°C		+15°C		+25°C		+55°C		
			Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400	500	400	500	400	500
			1	2	3	3, 0	3, 0	400	500	400</					

Ground input pins of gates not under test. Other pins not listed are left open.