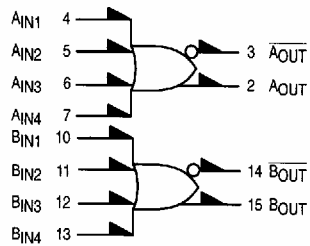


Dual 4-Input OR/NOR Gate

ELECTRICAL CHARACTERISTICS

Characteristic	Symbol	-30°C		+25°C		+85°C		Unit
		Min	Max	Min	Max	Min	Max	
Power Supply Drain Current	I_E	—	—	—	28	—	—	mAdc
Input Current	I_{IH}	—	—	—	350	—	—	μ Adc
Switching Times								ns
Propagation Delay	t_{+-}	0.6	1.8	0.6	1.7	0.6	1.9	
	t_{-+}	0.6	1.6	0.6	1.5	0.6	1.7	
Rise Time, Fall Time (10% to 90%)	t_{+}, t_{-}	0.6	2.2	0.6	2.1	0.6	2.3	ns

LOGIC DIAGRAM



$$OUT = IN1 + IN2 + IN3 + IN4$$

$$\overline{OUT} = \overline{IN1 + IN2 + IN3 + IN4}$$

$$V_{CC1} = PIN 1$$

$$V_{CC2} = PIN 16$$

$$V_{EE} = PIN 8$$

$$t_{pd} = 0.9 \text{ ns typ (510 ohm load)}$$

$$= 1.1 \text{ ns typ (50 ohm load)}$$

$$P_D = 120 \text{ mW typ/pkg (No load)}$$

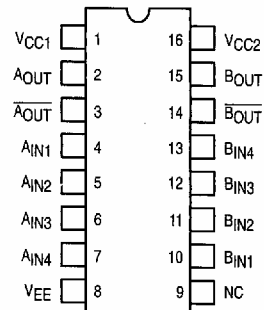
$$\text{Full Load Current, } I_L = -25 \text{ mAdc max}$$

MC1660



L SUFFIX
CERAMIC PACKAGE
CASE 620-10

PIN ASSIGNMENT



4

