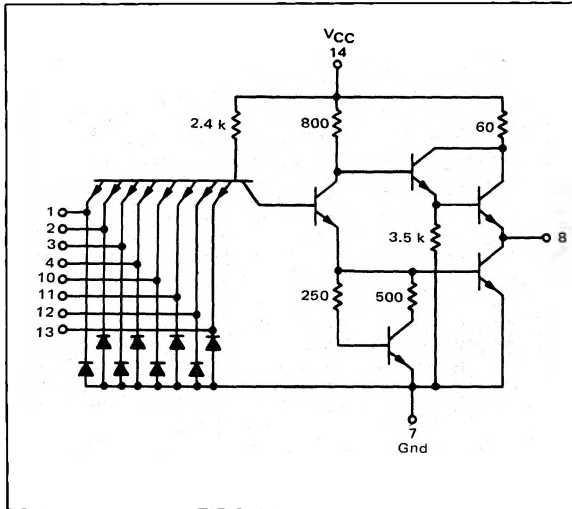


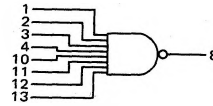
8-INPUT "NAND" GATE

MC3100/MC3000 series

MC3115F • MC3015F
MC3115L • MC3015L,P



This device is an 8-input NAND gate. It is useful when processing a large number of variables, such as in encoders and decoders.



Positive Logic:

$$8 = 1 \cdot 2 \cdot 3 \cdot 4 \cdot 10 \cdot 11 \cdot 12 \cdot 13$$

Negative Logic:

$$8 = 1 + 2 + 3 + 4 + 10 + 11 + 12 + 13$$

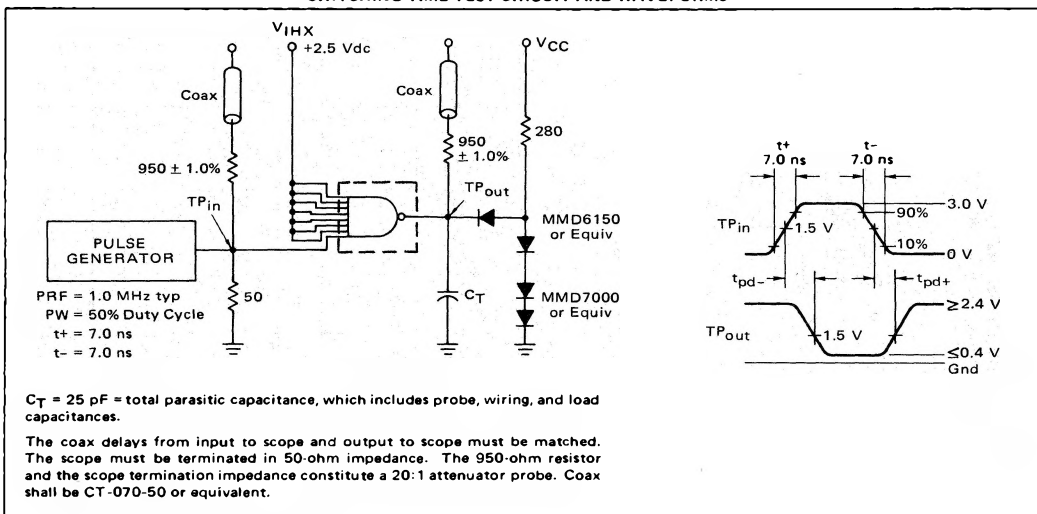
Input Loading Factor = 1

Output Loading Factor = 10

Total Power Dissipation = 22 mW typ/pkg

Propagation Delay Time = 8.0 ns typ

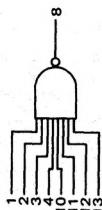
SWITCHING TIME TEST CIRCUIT AND WAVEFORMS



General Information section for packaging.

ELECTRICAL CHARACTERISTICS

Test procedures are shown for only one input of this device. To complete testing, sequence through remaining inputs in the same manner.

[illegible]