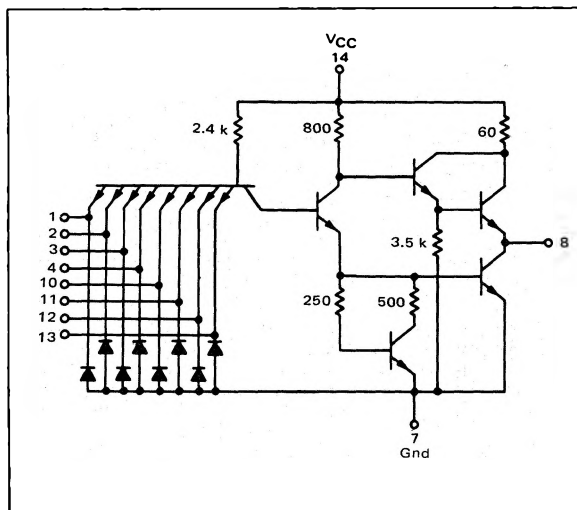


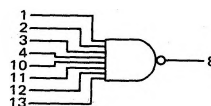
# 8-INPUT "NAND" GATE

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:

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

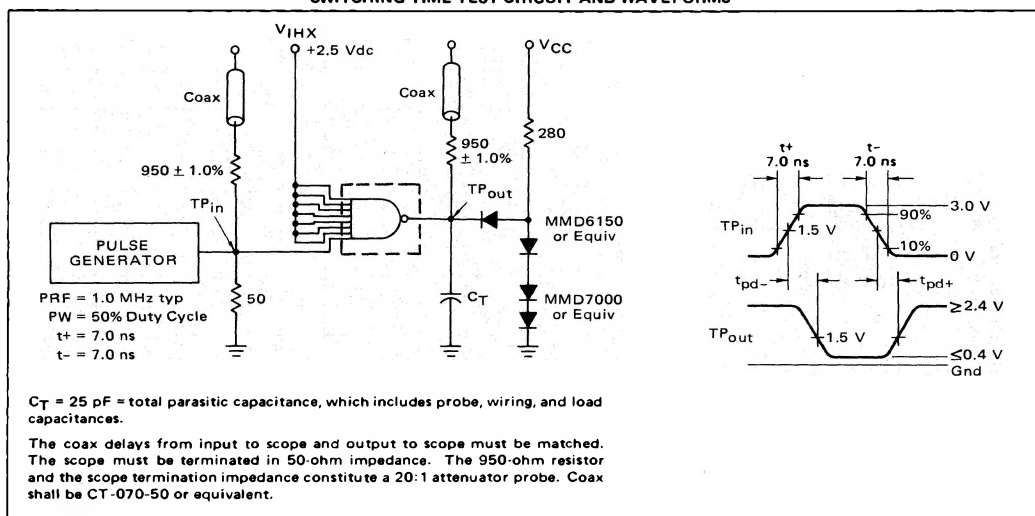
Input Loading Factor = 1

Output Loading Factor = 10

Total Power Dissipation = 22 mW typ/pkg

Propagation Delay Time = 8.0 ns typ

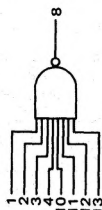
## SWITCHING TIME TEST CIRCUIT AND WAVEFORMS



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]