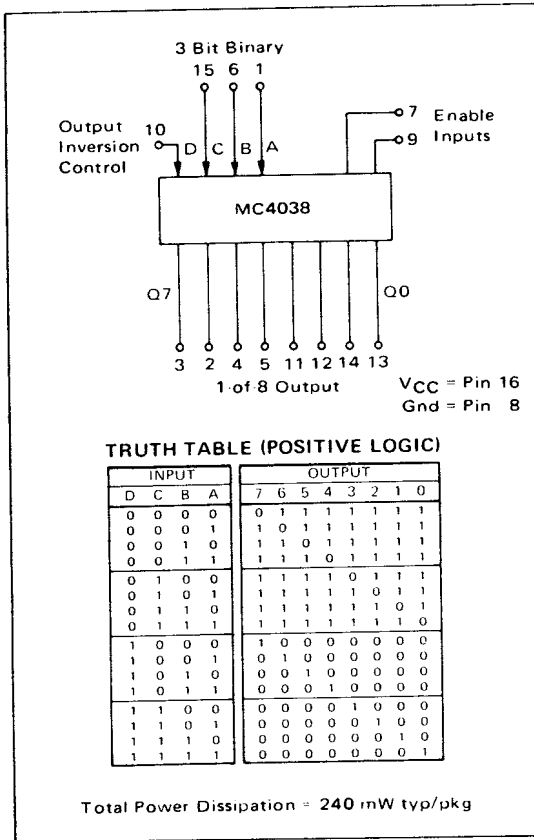


INVERTING/NON-INVERTING ONE-OF-EIGHT DECODER

MC4338 MC4038



A 3-bit binary address selects the desired word for the 8-bit output. The inversion control, D, selects half of the memory chip with the bit pattern that defines a 1-of-8 decoder function. When D is a logic "0", the selected output is designated as a logic "0". A logic "1" on D produces a logic "1" on the selected output.

Features:

- Address times < 45 ns
- Outputs sink 20 mA
- Output capacitance < 7.0 pF @ 1.5 V
- Wired OR capability to 64 memories

ENABLE INPUT TRUTH TABLE (POSITIVE LOGIC)

E	E	Q7	Q6	Q5	Q4	Q3	Q2	Q1	Q0
0	0	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	1	1	1
1	0	1	1	1	1	1	1	1	1
1	1	FUNCTION ENABLED							

