



TRUTH TABLE

A	B	E	OUTPUT
L	L	L	L
L	H	L	H
H	L	L	H
H	H	L	L
φ	φ	H	L

φ = Don't Care

$V_{CC1} = 1$
 $V_{CC2} = 16$
 $V_{EE} = 8$

$P_D = 175 \text{ mW typ/pkg (No Load)}$
 $t_{pd} = 2.5 \text{ ns typ}$

Quad Exclusive OR Gate

The MC10113 is a quad Exclusive OR gate, with an enable common to all four gates. All four outputs may be wire-ORed together to perform a 4-bit comparison function ($A = B$). The enable is active low. Input pull-down resistors included in the circuit make it unnecessary to tie down unused inputs. Open emitter outputs permit direct connection of outputs to busses.