



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

t_{pd} = 2.0 ns typ
 P_D = 85 mW typ/pkg (No Load)

Triple Line Receiver

The MC10116 is a triple differential amplifier designed for use in sensing differential signals over long lines. The base bias supply (V_{BB}) is made available at pin 11 to make the device useful as a Schmitt trigger, or in other applications where a stable reference voltage is necessary.

Active current sources provide the MC10116 with excellent common mode noise rejection. If any amplifier in a package is not used, one input of that amplifier must be connected to V_{BB} (pin 11) to prevent upsetting the current source bias network.

Complementary outputs are provided to allow driving twisted pair lines, to enable cascading of several amplifiers in a chain, or simply to provide complement outputs of the input logic function.