# M133
# NAND Gates

The M133 module contains ten 2-input NAND gates, each performing the function NOT (A·B). The module is used for general purpose high-speed gating. Maximum output propagation delay to a logic 1 or 0 is 10 ns. The high-speed characteristic of these gates frequently solves tight timing problems in complex systems. Unused inputs on any gate must be returned to a source of logic 1 for maximum speed and noise immunity.

The following are the input, output, and power characteristics of the M133 module.

**INPUTS:** Each input presents 1.25 unit loads.

**OUTPUTS:** Each output is capable of driving 12.5 unit loads.

**POWER:** Power dissipated in the M133 module is +5V at 130 mA (maximum).