

## **M135 NAND Gates**

The M135 module contains eight high-speed 3-input NAND gates that perform the function  $\text{NOT}(A \cdot B \cdot C)$ . These gates are most commonly used for decoding, comparison, and control. Unused inputs on any gate must be returned to a source of logic 1 for maximum speed and immunity. Propagation delay of an M135 gate is 10 ns (maximum).

The following are the input, output, and power characteristics of the M135 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 M135 module is 5V at 90 mA (maximum).