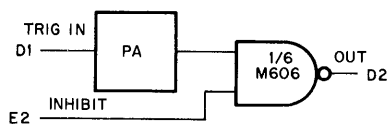


M606 Pulse Generators

The M606 module contains six separate pulse generators. Each generator produces a pulse to ground in response to an input level shift from HIGH to LOW (see illustration). Duration of the pulse must be at least 30 ns, and the pulse can be no wider than 100 ns. Each pulse generator is also equipped with an inhibit gate that blocks the output if grounded. A logic 1 level should be applied to the inhibit gate if a continuous output is required. Each pulse generator can be used for setting or clearing flip-flops by connecting the output to the DIRECT CLEAR or SET inputs of up to 15 flip-flops.

The following are the input, output, and power characteristics of the M606 module.

- INPUTS:** The TRIGGER input presents two TTL unit loads, and the INHIBIT input presents one unit load.
- OUTPUTS:** All pulse generator outputs present 30 unit loads. Output pin V1 is a source of a logic 1 level that is capable of driving 10 unit loads.
- POWER:** Power dissipation of the M606 module is 5V at 188 mA (maximum).



15-0117

M606 Simplified Diagram