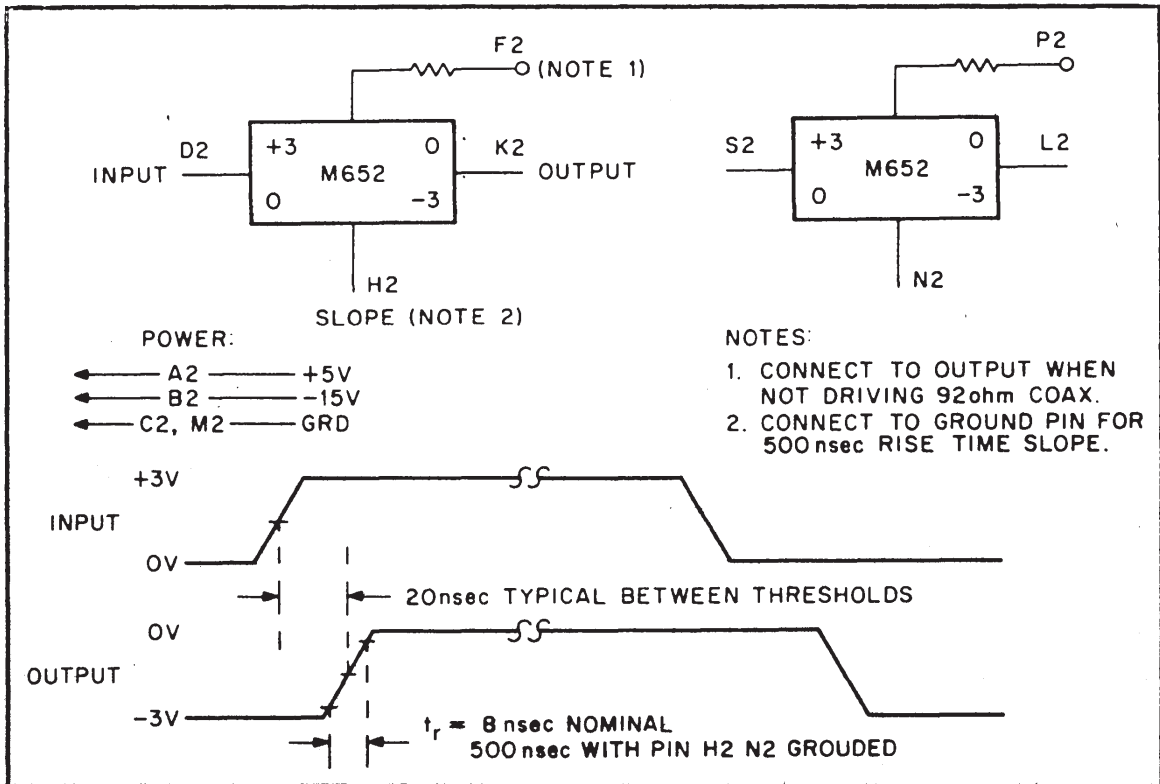


NEGATIVE OUTPUT CONVERTER

TYPE M652

M
SERIES



The M652 contains two non-inverting high-speed signal converters which can be used to interface the positive logic levels or pulses of the K and M Series to DIGITAL negative logic levels of -3 volts and ground. These converters provide current drive at a low output impedance so that system interconnections can be made using terminated 92-ohm coaxial cable. The converters operate at frequencies up to 10 MHz with typical output rise and fall times of 8 nsec. Propagation times for output rise and fall are typically 20 nsec. The slope of the output transition can be decreased by grounding an internal RC network, to avoid ringing on exceptionally long lines. The converter then operates at frequencies up to 1MHz.

INPUT	OUTPUT
0v	-3v
+3v	0v

Inputs: Positive logic levels of 0 and +3 volts (nominal). Input loading is 2 unit loads. Input signals more positive than +6 volts will damage the circuit.

Outputs: Each output can drive terminated 92 ohm coaxial cable and supply an additional 20 ma at ground or sink an additional 20 ma at -3 volts. Output rise and fall times are dependent on the length of coaxial cable driven. When coaxial cable is not driven, switching speeds will be increased by connecting the 100-ohm resistor to the output.

Power: +5 volts, 20 ma; -15 volts, 150 ma (avg)

M652 — \$26.00