

QUADRUPLE TWO-INPUT NAND GATE

7400
276-1801

GENERAL DESCRIPTION

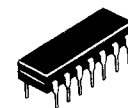
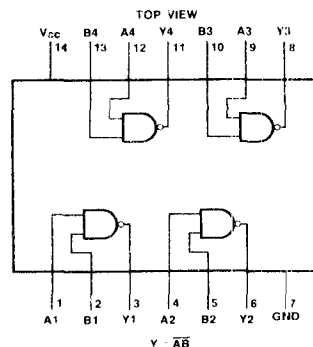
Employing TTL (Transistor-Transistor-Logic) to achieve high speed at moderate power dissipation, these gates provide the basic functions used in the implementation of digital integrated circuit systems. Characteristics of the circuits include high noise immunity, low output impedance, good capacitive drive capability, and minimal variation in switching times with temperature.

FEATURES

- Guaranteed Noise Immunity 400 mV
- Typical Noise Immunity 1V
- Average Propagation Delay 13 ns
- Fan Out 10
- Average Power Dissipation 10 mW per gate

ABSOLUTE MAXIMUM RATINGS

V_{CC}	5.25V
Input Voltage.....	5.5V
Storage Temperature Range.....	-65°C to +150°C
Fan-Out.....	10
Lead Temperature (Soldering, 10 sec).....	300°C
Supply Voltage (V_{CC}).....	4.75—5.25V
Temperature (T_A).....	0°C to 70°C



QUAD TWO-INPUT NOR GATE

7402
276-1811

GENERAL DESCRIPTION

The 7402 is a quad 2-input NOR gate utilizing TTL (Transistor-Transistor-Logic) to achieve high speed at nominal power dissipation.

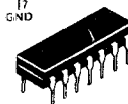
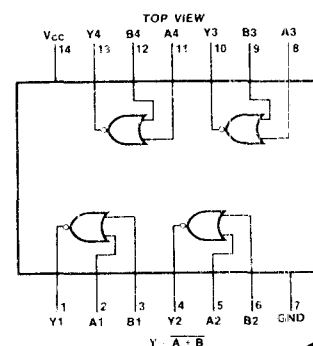
FEATURES

- Input Clamping Diodes
- Guaranteed Noise Immunity 400 mV
- Typical Noise Immunity 1V
- Fan-out 10
- Allowable Power Supply Variation 4.75V to 5.25V
- Average Propagation Delay 12 ns (with 50 pF)
- Average Power Dissipation 14 mW per gate

ABSOLUTE MAXIMUM RATINGS

V_{CC}	5.25V
Input Voltage.....	5.5V
Operating Temperature Range.....	0°C to 70°C
Storage Temperature Range.....	-65°C to +150°C
Lead Temperature (Soldering, 10 sec).....	300°C

PIN CONNECTION



HEX INVERTER

7404
276-1802

GENERAL DESCRIPTION

The 7404 is a hex inverter utilizing TTL to achieve high speed at nominal power dissipation. It is totally compatible with other Series 74 devices.

FEATURES

- Input clamping diodes
- Guaranteed Noise Immunity 400 mV
- Typical Noise Immunity 1V
- Fan-out 10
- Allowable Power Supply Variation 4.75V to 5.25V
- Average Propagation Delay 12 ns (with 50 pF)
- Average Power Dissipation 10 mW per gate

ABSOLUTE MAXIMUM RATINGS

V_{CC}	5.25V
Input Voltage.....	5.5V
Operating Temperature Range.....	0°C to 70°C
Storage Temperature Range.....	-65°C to +150°C
Lead Temperature (soldering, 10 sec).....	300°C

PIN CONNECTION

