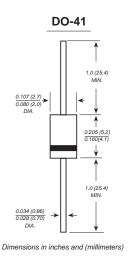


1N4001 THRU 1N4007

GENERAL PURPOSE SILICON RECTIFIER

Reverse Voltage - 50 to 1000 Volts Forward Current - 1.0 Ampere



FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- Low reverse leakage
- High forward surge current capability
- High temperature soldering guaranteed: 250°C/10 seconds,0.375"(9.5mm) lead length, 5 lbs. (2.3kg) tension

MECHANICAL DATA

Case: JEDEC DO-41 molded plastic body

Terminals: Plated axial leads, solderable per MIL-STD-750,

Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.012 ounce, 0.33 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

UNITS
VOLTS
VOLTS
VOLTS
Amp
Amps
Volts
μА
pF
°C/W
°C
_

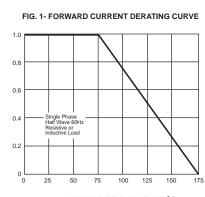
Note: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2.Thermal resistance from junction to ambient at 0.375 (9.5nm)lead length, P.C.B. mounted

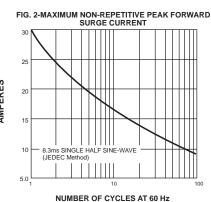
MDD ELECTRONIC

RATINGS AND CHARACTERISTIC CURVES 1N4001 THRU 1N4007



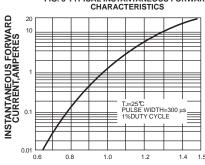


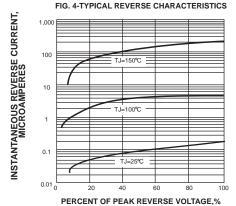




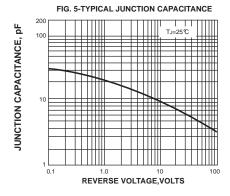
AMBIENT TEMPERATURE,°C

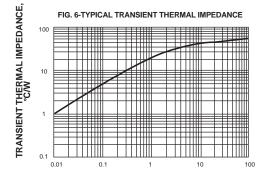
FIG. 3-TYPICAL INSTANTANEOUS FORWARD





INSTANTANEOUS FORWARD VOLTAGE, VOLTS





t,PULSE DURATION,sec.

MDD ELECTRONIC