ELECTRONICS, INC.
44 FARRAND STREET
BLOOMFIELD, NJ 07003
(973) 748–5089

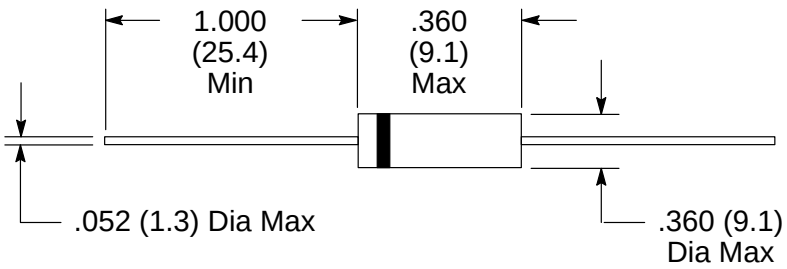
NTE572
Silicon Rectifier
General Purpose, Fast Recovery

Features:
- Fast Switching
- Low Leakage
- Low Forward Voltage Drop
- High Current Capability
- High Current Surge
- High Reliability

Maximum Ratings and Electrical Characteristics: (T_A = +25°C unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.)

Maximum Recurrent Peak Reverse Voltage 1000V
Maximum RMS Voltage 700V
Maximum DC Blocking Voltage 1000V
Maximum Average Forward Rectified Current (.375” (9.5mm) lead length, T_A = +55°C) 6A
Peak Forward Surge Current (8.3ms single half sine–wave superimposed on rated load) . . . 300A
Maximum Instantaneous Forward Voltage (I_F = 6A DC) 1.3V
Maximum DC Reverse Current (At Rated DC Blocking Voltage, T_A = +25°C) 10µA
Maximum Full Load Reverse Current
(Full Cycle Average .375” (9.5mm) lead length, T_L = +55°C) 150µA
Maximum Reverse Recovery Time (Note 1) 500ns
Typical Junction Capacitance (Note 2) 100pF
Operating Junction Temperature Range, T_J . . . . . –65° to +175°C
Storage Temperature Range, T_{stg} . . . . . –65° to +175°C

Note 1. Reverse Recovery Test Conditions: I_F = 500mA, I_R = 1A, I_{RR} = 250mA.
Note 2. Measured at 1MHz and applied reverse voltage of 4.0 volts.



Color Band Denotes Cathode