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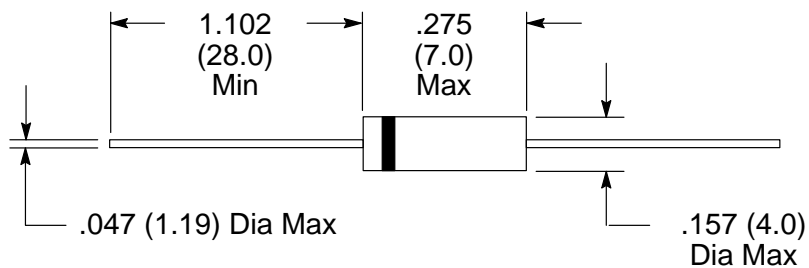
## NTE506 Silicon Rectifier Diode

### Description

The NTE506 is a silicon rectifier diode in an axial lead package designed for fast recovery, damper and blanking applications.

### Maximum Ratings and Electrical Characteristics:

Maximum Peak Reverse Voltage, $P_{RV}$ .....	1400V
Maximum Average Rectified Forward Current (Half-Wave, 60Hz, $T_A = +25^\circ\text{C}$ ), $I_O$ .....	2A
Maximum Forward Peak Surge Current (8.3ms Superimposed), $I_{FSM}$ (Surge) .....	30A
Maximum Reverse Current ( $P_{RV} = 1400\text{V}$ , $T_A = +25^\circ\text{C}$ ), $I_R$ .....	$5\mu\text{A}$
Maximum Forward Voltage ( $I_{FM} = 1\text{A}$ , $T_A = +25^\circ\text{C}$ ), $V_{FM}$ .....	1V
Maximum Reverse Recovery Time, $t_{rr}$ .....	500ns
Operating Temperature Range, $T_{opr}$ .....	$-65^\circ$ to $+150^\circ\text{C}$
Storage Temperature Range, $T_{stg}$ .....	$-65^\circ$ to $+150^\circ\text{C}$



Color Band Denotes Cathode