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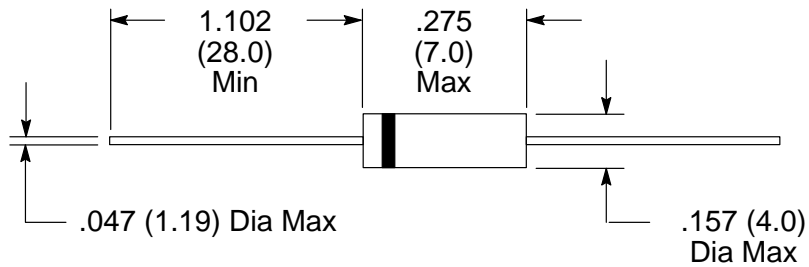
NTE506 Silicon Rectifier Diode

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 μA
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° to $+150^\circ\text{C}$
Storage Temperature Range, T_{stg}	-65° to $+150^\circ\text{C}$



Color Band Denotes Cathode