



ELECTRONICS, INC.
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NTE585 Silicon Rectifier Diode Schottky Barrier, Fast Switching

Features:

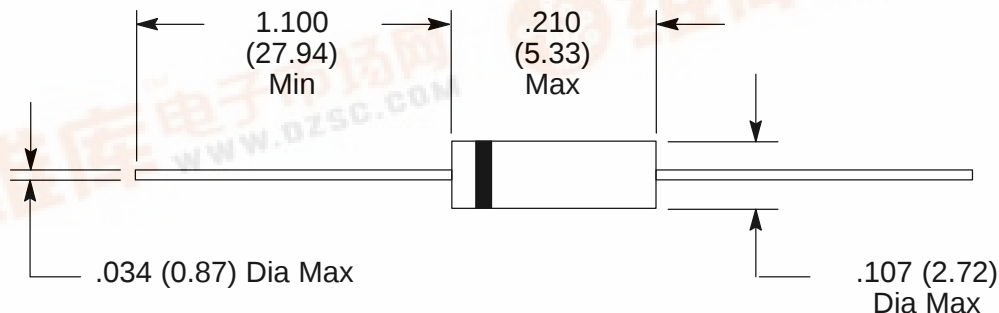
- Low Switching Noise
- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Capability

Maximum Ratings and Electrical Characteristics: ($T_A = +25^\circ\text{C}$ unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Maximum Recurrent Peak Reverse Current	40V
Maximum RMS Voltage	28V
Maximum DC Blocking Voltage	40V
Maximum Average Forward Rectified Current (375" . (9.5mm) lead length at $T_L = +90^\circ\text{C}$).	1.0A
Peak Forward Surge Current (8.3ms single half sine-wave superimposed on rated load $T_L = +70^\circ\text{C}$)	25A
Maximum Forward Voltage at 1.0A DC	.60V
Maximum Forward Voltage at 3.1A DC	.90V
Maximum Average Reverse Current at Peak Reverse Voltage $T_A = +25^\circ\text{C}$	1.0mA
$T_A = +100^\circ\text{C}$	10mA
Typical Thermal Resistance, Junction-to-Ambient (Note 1), R_{thJA}	80°C/W
Typical Junction Capacitance (Note 2)	110pF
Operating Junction Temperature Range T_J	-65°C to $+125^\circ\text{C}$
Storage Temperature Range T_{STG}	-65°C to $+125^\circ\text{C}$

Note 1. Thermal Resistance Junction to Ambient Vertical PC Board Mounting, 0.5" (12.7mm) Lead Length.

Note 2. Measured at 1MHz and applied reverse voltage of 4.0 Volts.



Color Band Denotes Cathode

