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NTE576 (DO-27) & NTE576-6 (DO-201AD) 5A Super Fast Rectifier

Features:

- High Current Capability
- High Reliability
- High Surge Current Capability

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

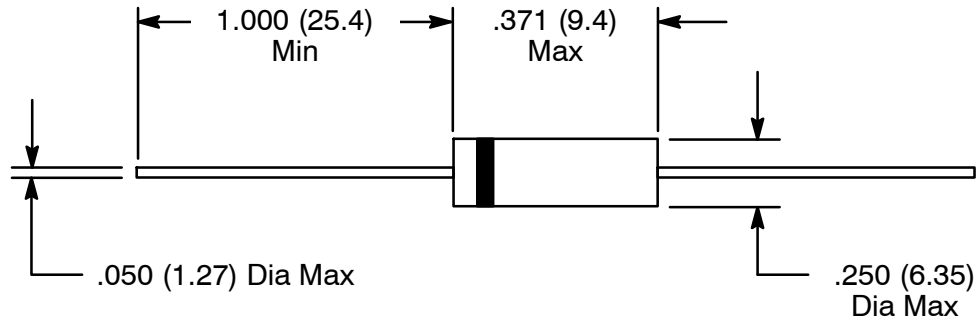
Recurrent Peak Reverse Voltage, V_{RRM}	
NTE576	400V
NTE576-6	600V
RMS Voltage, V_{RMS}	
NTE576	280V
NTE576-6	420V
DC Blocking Voltage, V_{DC}	
NTE576	400V
NTE576-6	600V
Average Forward Output Rectified Current, I_O [.375 (9.5mm) lead length at $T_A = 50^\circ\text{C}$]	
	5A
Non-Repetitive Peak Forward Surge Current, I_{FSM} (8.3ms single half sine-wave superimposed on rated load)	
	150A
Forward Voltage Drop ($I_F = 5A$), V_{FM}	
NTE576	1.25V
NTE576-6	1.7V
Peak Reverse Current (at Rated DC Blocking Voltage), I_{RM}	
$T_A = +25^\circ\text{C}$	5 μA
$T_A = +100^\circ\text{C}$	
NTE576	50 μA
NTE576-6	100 μA
Maximum Reverse Recovery Time (Note 1), t_{rr}	
	35ns
Typical Junction Capacitance (Note 2), C_J	
NTE576	150pF
NTE576-6	75pF
Operating Junction Temperature Range, T_J	
NTE576	-65° to +150°C
NTE576-6	-65° to +125°C
Storage Temperature Range, T_{stg}	
	-65° to +150°C

Note 1. Reverse Recovery Test Conditions: $I_F = 0.5A$, $I_R = 1.0A$, $I_{RR} = 0.25A$.

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

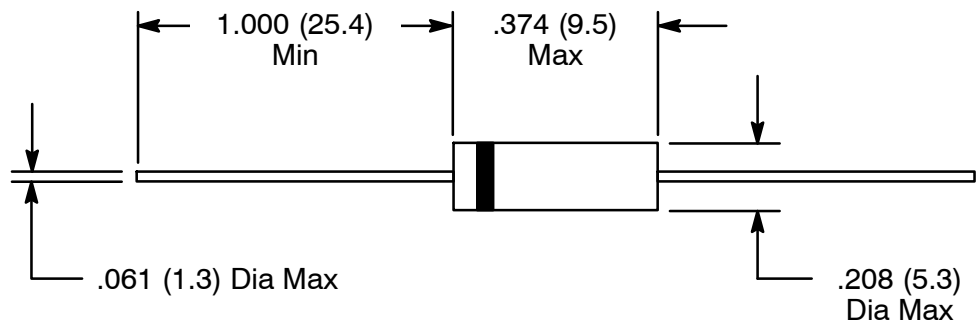


**NTE576
DO-27 Type Package**



Color Band Denotes Cathode

**NTE576-6
DO-201AD Type Package**



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