



ELECTRONICS, INC.
 44 FARRAND STREET
 BLOOMFIELD, NJ 07003
 (973) 748-5089
<http://www.nteinc.com>

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%.)

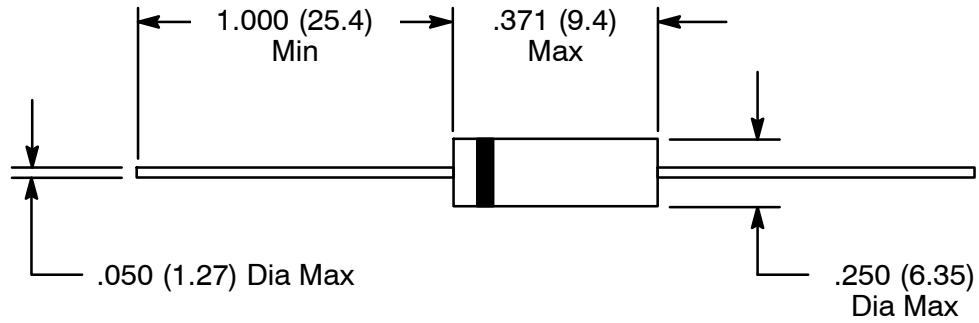
Recurrent Peak Reverse Voltage, V_{RRM}	
NTE576	400V
NTE576-6	600V
RMS Voltage, V_{RMS}	
NTE576	280V
NTE576-6	420V
DC Blocking Voltage, V_{DC}	
NTE576	400V
NTE576-6	600V
Average Forward Output Rectified Current, I_O [.375 (9.5mm) lead length at $T_A = 50^\circ\text{C}$]	
	5A
Non-Repetitive Peak Forward 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.

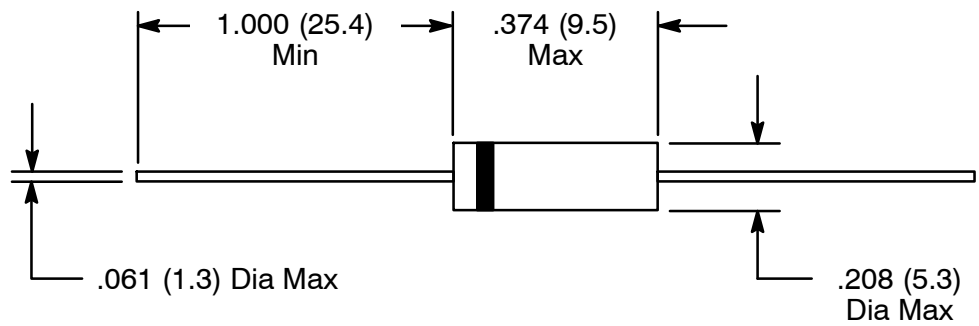


**NTE576
DO-27 Type Package**



Color Band Denotes Cathode

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



Color Band Denotes Cathode

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [nte manufacturer](#):

Other Similar products are found below :

[747](#) [797](#) [868](#) [1724](#) [NEH680M50FE](#) [NEHH1.0M450CB](#) [NTE48](#) [NTE526A](#) [228A](#) [231](#) [954](#) [2023](#) [510](#) [R04-11A30-120](#) [04-SLPE3750A](#)
[5615](#) [591](#) [7056](#) [NTE5710](#) [7448](#) [NEH.10M50AA](#) [NEH2.2M63AA](#) [NEH330M35DD](#) [NEH33M10AA](#) [NEV.22M100AA](#) [TP0006-100](#)
[NTE182](#) [NTE528](#) [NTE542](#) [NTE74154](#) [WH20-02-25](#) [04-SCBW25L-BK](#) [04-SCBW32L-BK](#) [04-SCW10C-BK](#) [04-SCBW19L-GR](#) [04-](#)
[SCW19L-WH](#) [04-SCW19L-OR](#) [04-SCW38L-WH](#) [04-SCBW50L-OR](#) [04-SCBW50L-GR](#) [04-SCW10C-GR](#) [04-SCW10C-OR](#) [04-SCBW32L-](#)
[GR](#) [04-SCBW32L-WH](#) [04-SCBW32L-OR](#) [04-SCBW6C-WH](#) [04-SCBW6C-GR](#) [04-SCBW6C-OR](#) [04-SCBW25L-GR](#) [04-SCBW25L-WH](#)