



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

NTE569 Silicon Rectifier Fast Switching, Soft Recovery

Features:

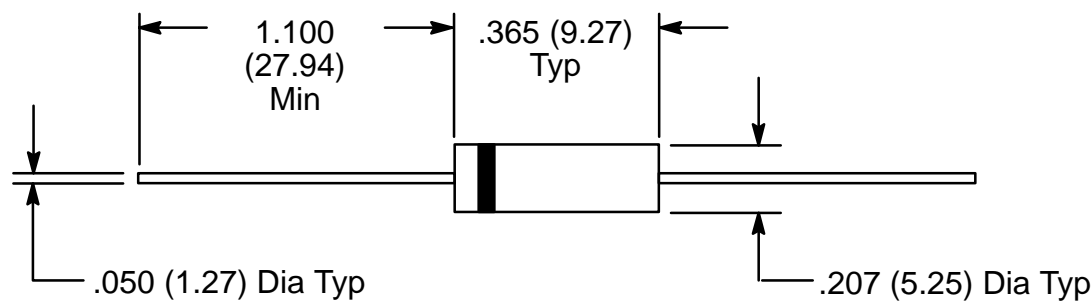
- Fast Recovery
- Diffused Junction
- High Surge Capability

Absolute Maximum Ratings:

Peak Recurrent and Non-Recurrent Reverse Voltage, V_{RRM} 600V
 Forward Current (R Load, $T_A = +50^\circ\text{C}$), $I_{F(AV)}$ 3A
 Recurrent Peak Forward Current, I_{FRM} 15A
 Peak Forward Surge Current (10ms, $T_A = +25^\circ\text{C}$), I_{FSM} 100A
 Maximum Reverse Recovery Time ($I_F = 0.5\text{A}$ to $I_R = 1\text{A}$ with $I_{rr} = 0.25\text{A}$), t_{rr} 250ns
 Maximum Operating Junction Temperature T_J $+150^\circ\text{C}$
 Storage Temperature Range, T_{stg} -65° to $+150^\circ\text{C}$
 Lead Temperature (During Soldering, 4mm from case, 3.5sec), T_L $+350^\circ\text{C}$
 Maximum Thermal Resistance, Junction-to-Case, R_{thJC} 30°C/W

Electrical Characteristics: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Maximum Forward Voltage Drop	V_F	$I_F = 3\text{A}$	-	-	1.3	V
Maximum Reverse Current	I_R	$V_{RRM} = 600\text{V}$	-	-	10	μA



Color Band Denotes Cathode