ELECTRONICS, INC.
44 FARRAND STREET
BLOOMFIELD, NJ 07003
(973) 748–5089

NTE569
Silicon Rectifier
Fast Switching, Soft Recovery

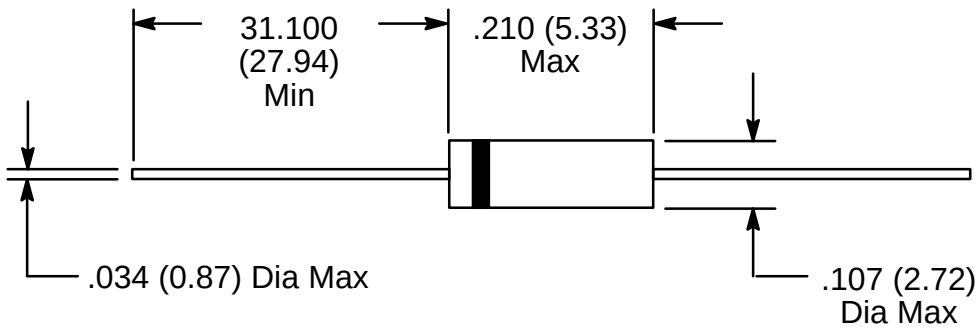
Features:
- Fast Recovery
- Diffused Junction
- High Surge Capability

Absolute Maximum Ratings:

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

Electrical Characteristics: (T_A = +25°C unless otherwise specified)

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



Color Band Denotes Cathode