



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

NTE607 Silicon Varistor Voltage Compensating Diode

Applications:

- Noise Limiter
- Gauge Protection
- Current Blocking
- Voltage Limiter
- Temperature Compensation

Absolute Maximum Ratings: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

DC Forward Current, I_F	100mA
Peak Forward Surge Current, I_{FSM} (Note 1)	12A
Operating Temperature, T_{op}	-25° to $+70^\circ\text{C}$
Junction Temperature, T_j	-40° to $+130^\circ\text{C}$
Storage Temperature, T_{stg}	-40° to $+130^\circ\text{C}$

Note 1. 50Hz Half Sine Wave

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F = 1\text{mA}$	2.10	-	2.6	V
		$I_F = 70\text{mA}$	2.7	-	3.3	V
Reverse Current	I_R	$V_R = 100\text{V}$	-	-	10	μA

