



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, $T_{op}$ .....	$-25^\circ$ to $+70^\circ\text{C}$
Junction Temperature, $T_j$ .....	$-40^\circ$ to $+130^\circ\text{C}$
Storage Temperature, $T_{stg}$ .....	$-40^\circ$ 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	$\mu\text{A}$

