



ELECTRONICS, INC.

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## NTE605A Silicon Varistor Temperature Compensating Diode

**Features:**

- High Reliability Planar Chip and Glass Sealing
- Low  $I_R$
- Large  $P_D$

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

Maximum Forward Current, $I_{FM}$ .....	100mA
Reverse Voltage, $V_R$ .....	6V
Power Dissipation, $P_D$ .....	150mW
Junction Temperature, $T_J$ .....	+150°C
Storage Temperature Range, $T_{stg}$ .....	-55° to +150°C

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Current	$I_R$	$V_R = 6V$	-	-	1	$\mu\text{A}$
Forward Voltage	$V_F$	$I_F = 1.5\text{mA}$	0.77	-	-	V
		$I_F = 3\text{mA}$	1.26	-	1.36	V
Forward Voltage Change with Respect to Temperature	$-\Delta V_F/\Delta T$	$I_F = 3\text{mA}$	-	4.6	-	$\text{mV}/^\circ\text{C}$

