

## NTE117 General Purpose Silicon Rectifier

**Features:**

- Cylindrical Design with Axial Leads for Simple Handling and Installation
- High Maximum Forward Current Rating: 750mA @  $T_A = +75^\circ\text{C}$
- Maximum Ambient Operating Temperature:  $+175^\circ\text{C}$

**Absolute Maximum Ratings:**

DC Blocking Voltage, $V_R$ .....	600V
Forward Current ( $T_A = +75^\circ\text{C}$ ), $I_F$ .....	750mA
Surge Current (50Hz), $I_{\text{Surge}}$ .....	45A
Operating Junction Temperature Range, $T_J$ .....	$-65^\circ$ to $+175^\circ\text{C}$
Storage Temperature Range, $T_{\text{stg}}$ .....	$-65^\circ$ to $+175^\circ\text{C}$

**Electrical Characteristics:**

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Maximum Forward Voltage	$V_F$	$I_F = 500\text{mA}$ , $T_A = +25^\circ\text{C}$	–	–	1.2	V
Maximum Reverse Current	$I_R$	$V_R = 600\text{V}$ , $T_J = +150^\circ\text{C}$	–	–	0.4	mA

