

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_{Surge} 45A
 Operating Junction Temperature Range, T_J -65° to $+175^\circ\text{C}$
 Storage Temperature Range, T_{stg} -65° 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

