

## NTE518 Silicon High Voltage Rectifier for TV Applications

**Features:**

- Small Size Molded Packaged
- Low Leakage

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

Peak Reverse Voltage, $P_{RV}$ .....	10,000V
Average Forward Current ( $T_A = +50^\circ\text{C}$ ), $I_O$ .....	25mA
Maximum Forward Voltage Drop ( $I_O = 25\text{mA}$ ), $V_F$ .....	30V
Max. DC Reverse Current ( $P_{RV} = 10,000\text{V}$ ), $I_R$	
$T_A = +25^\circ\text{C}$ .....	1 $\mu\text{A}$
$T_A = +100^\circ\text{C}$ .....	40 $\mu\text{A}$
Maximum One Half-Cycle Surge Current (60Hz), $I_{FM(\text{Surge})}$ .....	3A
Ambient Operating Temperature Range, $T_A$ .....	$-55^\circ\text{C}$ to $+150^\circ\text{C}$
Storage Temperature Range, $T_{\text{stg}}$ .....	$-55^\circ\text{C}$ to $+150^\circ\text{C}$
Lead Temperature (During Soldering, 3/8" from case for 5sec max), $T_L$ .....	$+250^\circ\text{C}$

Note 1. If operated over 10,000V/inch in length, device should be immersed in oil or re-encapsulated.

