



ELECTRONICS, INC.
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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 μA
$T_A = +100^\circ\text{C}$	40 μA
Maximum One Half-Cycle Surge Current (60Hz), $I_{FM(\text{Surge})}$	3A
Ambient Operating Temperature Range, T_A	-55°C to $+150^\circ\text{C}$
Storage Temperature Range, T_{stg}	-55°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.

