



ELECTRONICS, INC.
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NTE551 Silicon Rectifier General Purpose, Fast Recovery Metal Case

Maximum Ratings and Electrical Characteristics:

Maximum Peak Reverse Voltage, V_{RRM}	1500V
Maximum Non-Repetitive Peak Reverse Voltage, V_{RSM}	1600V
Maximum Average Forward Current ($T_A = +20^\circ\text{C}$), $I_{F(AV)}$	1.5A
Maximum One Cycle Surge Forward Current (Non-Repetitive, 50Hz), I_{FSM}	60A
Maximum Peak Forward Voltage ($I_{FM} = 2\text{A}$, $T_J = +25^\circ\text{C}$), V_{FM}	1.2V
Maximum Repetitive Peak Reverse Current ($V_{RRM} = \text{Rated}$), I_{RRM}	
$T_J = +25^\circ\text{C}$	10 A
$T_J = +125^\circ\text{C}$	600 A
Maximum Reverse Recovery Time ($I_F = 20\text{mA}$, $I_R = 1\text{mA}$, $T_J = +25^\circ\text{C}$), t_{rr}	20 S
Maximum Forward Recovery Voltage ($I_F = 100\text{mA}$, $t_r = 100\text{ns}$, $t_p = 5 \text{ s}$, $T_J = +25^\circ\text{C}$), V_{fr}	5V
Operating Junction Temperature Range, T_J	-40° to $+125^\circ\text{C}$
Storage Temperature Range, T_{stg}	-40° to $+150^\circ\text{C}$

Note 1. Soldering: 5mm is the minimum to be kept between case and soldering part.

Note 2. Lead Bending: 5mm is the minimum to be kept from the case when bending the lead wire.

