ELECTRONICS, INC.
44 FARRAND STREET
BLOOMFIELD, NJ 07003
(973) 748–5089

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°C), $I_{F(AV)}$ 1.5A
Maximum One Cycle Surge Forward Current (Non–Repetitive, 50Hz), I_{FSM} 60A
Maximum Peak Forward Voltage (I_{FM} = 2A, T_J = +25°C), V_{FM} 1.2V
Maximum Repetitive Peak Reverse Current (V_{RRM} = Rated), I_{RRM}
T_J = +25°C 10µA
T_J = +125°C 600µA
Maximum Reverse Recovery Time (I_F = 20mA, I_R = 1mA, T_J = +25°C), t_{rr} 20µS
Maximum Forward Recovery Voltage (I_F = 100mA, t_r = 100ns, t_p = 5µs, T_J = +25°C), V_{fr} 5V
Operating Junction Temperature Range, T_J . . . . . –40° to +125°C
Storage Temperature Range, T_{stg} . . . . . –40° to +150°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.