



ELECTRONICS, INC.

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NTE6154 thru NTE6165 Silicon Industrial Rectifier, 150 Amp, General Purpose

Description:

The NTE6154 through NTE6165 power rectifiers are stud mounted DO8 type packages. Because the silicon junction is carefully fitted within a glass-to-metal hermetically sealed case, reliable operation is assured even with extreme humidity and under other severe environmental conditions.

These power rectifiers are ideal for a broad range of commercial uses including power supplies, ultrasonic systems, inverters, welders, emergency generators, battery chargers, DC motors, and motor controls.

Features:

- Standard DO8 Type Package
- Available in Standard (Cathode to Case) and Reverse (Anode to Case) Polarity
- Recommended Stud Mounting Torque: 120in. lbs. Lubricated.

Electrical Ratings:

Peak Reverse Voltage, P_{RV}	
NTE6154, NTE6155*	400V
NTE6156, NTE6157*	600V
NTE6158, NTE6159*	1000V
NTE6162, NTE6163*	1400V
NTE6164, NTE6165*	1600V
Maximum Forward Current Single Phase Half Wave ($T_C = +125^\circ\text{C}$), I_O	150A
Maximum Surge Current, Single Cycle, I_{FSM}	2100A
Maximum Forward Voltage Drop ($T_C = +25^\circ\text{C}$, $I_O = 200\text{A}$), V_F	1.1V
Maximum Reverse Current (FCA @ $+150^\circ\text{C}$), I_R	5mA
Maximum I^2t for Fusing (less than 8ms)	18200A ² Sec
Reverse Power for Bulk Available	1.0Joules
Storage Temperature Range, T_{stg}	-65° to $+200^\circ\text{C}$
Operating Temperature Range, T_{opr}	-65° to $+190^\circ\text{C}$
Maximum Thermal Impedance (Junction-to-Case)	0.35 $^\circ\text{C/W}$ Max

* Indicates Anode to Case polarity

