



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:

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|---|-------------------------------------|
| 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

