

NTE5346 & NTE5348 Silicon Bridge Rectifier

Features:

- High Surge Current

Electrical Characteristics:

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| Maximum Repetitive Peak Reverse Voltage, P_{RV} | 600V |
| Maximum DC Output Current ($T_C = +85^\circ\text{C}$), I_D | |
| NTE5346 | 80A |
| NTE5348 | 100A |
| Maximum Non-Repetitive Surge Current (1/2 Cycle, 60Hz), I_{TSM} | 1500A |
| Maximum I^2t for Fusing ($t = 8.3\text{ms}$), I^2t | 9350A ² sec |
| Maximum Voltage Drop (at 100A Peak), V_F | 1.2V |
| Operating Junction Temperature Range, T_J | -40°C to 125°C |
| Maximum Thermal Resistance (Per Chip), Junction-to-Case, R_{thJC} | 0.3°C/W |
| Isolation Voltage, V_{ISOL} | 2500V _{RMS} |

