NTE5340, NTE5342 & NTE5344
Silicon Bridge Rectifier
Single-Phase, 40 Amp

**Electrical Characteristics Per Leg:** (TA = +25°C, unless otherwise specified)

- **Peak Reverse Voltage, P_{RV}**
  - NTE5340: 200V
  - NTE5342: 600V
  - NTE5344: 1000V

- **Average Forward Current (TC = +55°C), I_{F (AV)}**: 40A

- **Maximum Peak Surge Current (8.3ms), I_{FSM}**: 300A

- **Maximum Instantaneous Forward Voltage Drop (IF = 20A, Note 1), V_{F}**: 1.2V

- **Maximum DC Reverse Current @ P_{RV}, I_{R}**
  - TA = +25°C: 10μA
  - TA = +100°C: 100μA

- **Thermal Resistance, Junction-to-Case (Total Bridge), R_{thJC}**: 1.2°C/W

- **Maximum Operating Temperature, T_{opr}**: +175°C

- **Storage Temperature Range, T_{stg}**: -55° to +175°C

**Note 1.** Pulse Width < 300μs, Duty Cycle < 2.0%

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[Diagram of the silicon bridge rectifier with dimensions and connections]