

FEATURES

- * Good for automation insertion
- * Surge overload rating - 40 amperes peak
- * Ideal for printed circuit board
- * Reliable low cost construction utilizing molded
- * Glass passivated device
- * Polarity symbols molded on body
- * Mounting position: Any
- * Weight: 1.0 gram

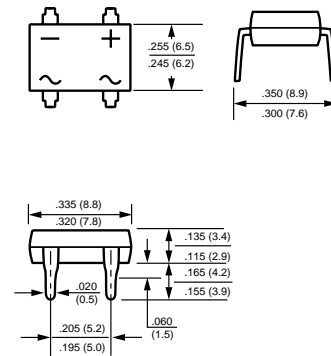
MECHANICAL DATA

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.
resistive or inductive load.



DL005



MAXIMUM RATINGS (At $T_A = 25^\circ\text{C}$ unless otherwise noted)

| RATINGS | SYMBOL | DL005 | UNITS |
|---|-----------------|--------------|---------------------------|
| Maximum Recurrent Peak Reverse Voltage | V_{RRM} | 50 | Volts |
| Maximum RMS Bridge Input Voltage | V_{RMS} | 35 | Volts |
| Maximum DC Blocking Voltage | V_{DC} | 50 | Volts |
| Maximum Average Forward Output Current at $T_A = 40^\circ\text{C}$ | I_O | 1.0 | Amps |
| Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method) | I_{FSM} | 40 | Amps |
| Current Squared Time | I^2t | 6.6 | A^2/Sec |
| Typical Thermal Resistance (Note 2) | $R_{\theta JA}$ | 40 | $^\circ\text{C}/\text{W}$ |
| | $R_{\theta JL}$ | 15 | |
| Operating and Storage Temperature Range | T_J, T_{STG} | -55 to + 150 | $^\circ\text{C}$ |

ELECTRICAL CHARACTERISTICS (At $T_A = 25^\circ\text{C}$ unless otherwise noted)

| CHARACTERISTICS | SYMBOL | DL005 | UNITS |
|--|--------|-------|------------------|
| Maximum Forward Voltage Drop per Bridge Element at 1.0A DC | V_F | 1.1 | Volts |
| Maximum Reverse Current at Rated | I_R | 5.0 | μAmps |
| DC Blocking Voltage per element | | 0.5 | mAmps |