

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE 60 Volts CURRENT 7.0 Amperes

FEATURES

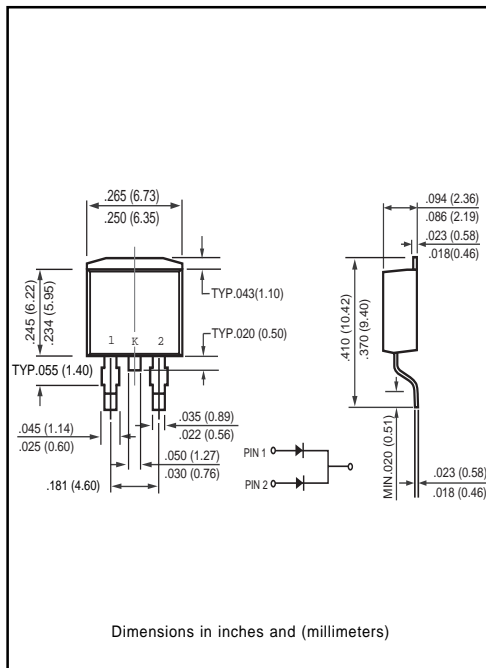
- * Fast switching
- * Low switching noise
- * Low forward voltage drop
- * High current capability
- * High switching capability
- * High reliability
- * High surge capability

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: Device has UL flammability classification 94V-0
- * Lead: MIL-STD-202E method 208C guaranteed
- * Metallurgically bonded construction
- * Mounting position: Any

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.
 Single phase, half wave, 60 Hz, resistive or inductive load.
 For capacitive load, derate current by 20%.



MAXIMUM RATINGS (At TA = 25°C unless otherwise noted)

| RATINGS | SYMBOL | SR760CSDP | UNITS |
|---|--------|--------------|-------|
| Maximum Recurrent Peak Reverse Voltage | VRRM | 60 | Volts |
| Maximum RMS Voltage | VRMS | 42 | Volts |
| Maximum DC Blocking Voltage | Vdc | 60 | Volts |
| Maximum Average Forward Rectified Current at Derating Lead Temperature | IO | 7.0 | Amps |
| Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method) | IFSM | 80 | Amps |
| Typical Junction Capacitance (Note 1) | CJ | 200 | pF |
| Operating Temperature Range | TJ | -55 to + 150 | °C |
| Storage Temperature Range | TSTG | -55 to + 150 | °C |

ELECTRICAL CHARACTERISTICS (At TA = 25°C unless otherwise noted)

| CHARACTERISTICS | SYMBOL | SR760CSDP | UNITS |
|--|--------------|-----------|-------|
| Maximum Instantaneous Forward Voltage at 3.0A DC | VF | .61 | Volts |
| Maximum Instantaneous Forward Voltage at 6.0A DC | VF | .76 | Volts |
| Maximum Average Reverse Current at Rated DC Blocking Voltage | @ TA = 25°C | 2.0 | mAmps |
| | @ TA = 100°C | 20 | mAmps |

Note: 1. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

2 "Fully ROHS compliant", "100% Sn plating (Pb-free)".

