

## SCHOTTKY BARRIER RECTIFIER

**VOLTAGE RANGE 20 to 60 Volts    CURRENT 8.0 Amperes**

## FEATURES

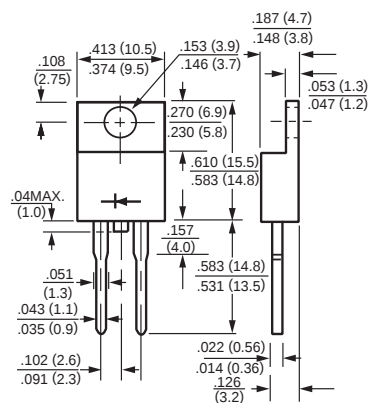
- \* Low switching noise
- \* Low forward voltage drop
- \* Low thermal resistance
- \* High current capability
- \* High surge capability
- \* High reliability

## MECHANICAL DATA

- \* Case: To-220A molded plastic
- \* Epoxy: Device has UL flammability classification 94V-O
- \* Lead: MIL-STD-202E method 208C guaranteed
- \* Mounting position: Any
- \* Weight: 2.24 grams



## TO-220A



Dimensions in inches and (millimeters)

## 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 T<sub>A</sub> = 25°C unless otherwise noted)

[illegible]

### ELECTRICAL CHARACTERISTICS (At T<sub>A</sub> = 25°C unless otherwise noted)

| CHARACTERISTICS                                                 |                         | SYMBOL         | SR820 | SR830 | SR835 | SR840 | SR845 | SR850 | SR860 | UNITS |
|-----------------------------------------------------------------|-------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum Instantaneous Forward Voltage at 8.0A DC                |                         | V <sub>F</sub> | .65   |       |       |       |       |       | .75   | Volts |
| Maximum Average Reverse Current<br>at Rated DC Blocking Voltage | @T <sub>C</sub> = 25°C  | I <sub>R</sub> | 5.0   |       |       |       |       |       | mAmps |       |
|                                                                 | @T <sub>C</sub> = 100°C |                | 50    |       |       |       |       |       | mAmps |       |

NOTES : 1. Thermal Resistance Junction to Case.  
2. Suffix "R" for Reverse Polarity.  
2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

2001-4

# RATING AND CHARACTERISTIC CURVES ( SR820 THRU SR860 )

