

GLASS PASSIVATED SILICON RECTIFIER

VOLTAGE 800 Volts CURRENT 8.0 Amperes

FEATURES

- * Low leakage
- * Low Forward voltage drop
- * High current capability
- * High surge capability
- * High reliability

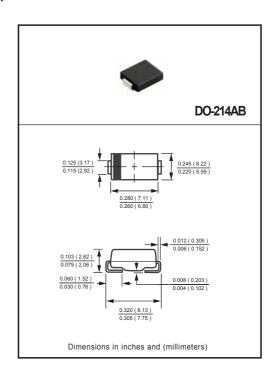
MECHANICAL DATA

* Epoxy: Device has UL flammability classification 94V-O

* Case: Molded plastic * Weight: 0.24 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 $^{\circ}$ 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 (@ TA=25 °C unless otherwise noted)

| RATINGS | SYMBOL | FM806C | UNITS |
|--|------------------|--------------|-------|
| Maximum Recurrent Peak Reverse Voltage | V _{RRM} | 800 | Volts |
| Maximum RMS Voltage | V _{RMS} | 560 | Volts |
| Maximum DC Blocking Voltage | V _{DC} | 800 | Volts |
| Maximum Average Forward Rectified Current at T _C =95°C | I _O | 8.0 | Amps |
| Peak Forward Surge Current 10 ms single half sine-wave superimposed on rated load (JEDEC method) | I _{FSM} | 200 | Amps |
| Operating Temperature Range | TJ | 150 | °C |
| Storage Temperature Range | T _{STG} | -55 to + 150 | ۰c |

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

| CHARACTERISTICS | | SYMBOL | FM806C | UNITS |
|--|-------------------------|----------------|--------|-------|
| Maximum Instantaneous Forward Voltage at 8.0A DC | | V _F | 1.1 | Volts |
| Maximum Average Reverse Current | @T _A = 25°C | I _R | 5 | uA |
| at Rated DC Blocking Voltage | @T _A = 100°C | | 150 | uA |

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