



FM806C

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

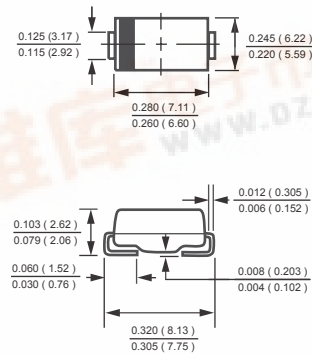
- * Epoxy: Device has UL flammability classification 94V-O
- * Case: Molded plastic
- * Weight: 0.24 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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



DO-214AB

**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 $T_C=95^{\circ}\text{C}$	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	T_J	150	$^{\circ}\text{C}$
Storage Temperature Range	T_{STG}	-55 to + 150	$^{\circ}\text{C}$

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 @ $T_A = 25^{\circ}\text{C}$	I_R	5	μA
at Rated DC Blocking Voltage @ $T_A = 100^{\circ}\text{C}$		150	μA

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

2007-2

