



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

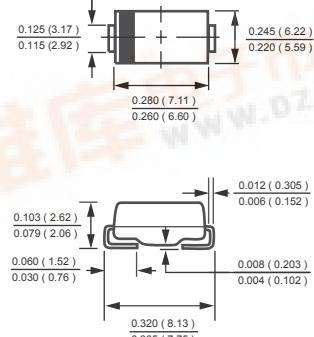
- * Epoxy: Device has UL flammability classification 94V-O
- * Case: Molded plastic
- * Weight: 0.24 gram

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°C	I ₀	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	°C
Storage Temperature Range	T _{STG}	-55 to + 150	°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°C at Rated DC Blocking Voltage @ T _A = 100°C	I _R	5 150	uA

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

2007-2

