

GLASS PASSIVATED SILICON RECTIFIER

VOLTAGE 800 Volts CURRENT 8.0 Amperes

FEATURES

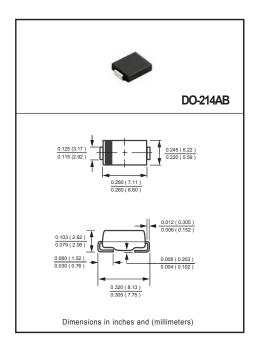
- * Low leakage
- * Low Forward voltage drop
- * High current capability
- * High surge capability
- * High reliability

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%.



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

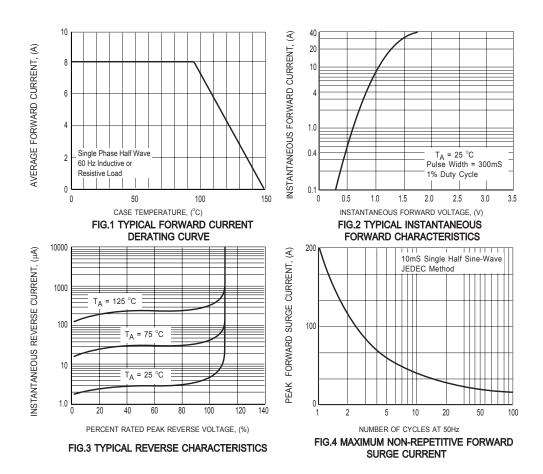
RATINGS	SYMBOL	FM806C	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	800	Volts
Maximum RMS Voltage	V _{RMS}	560	Volts
Maximum DC Blocking Voltage	V _{DC}	800	Volts
Maximum Average Forward Rectified Current at T _C =95°C	I _O	8.0	Amps
Peak Forward Surge Current 10 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	200	Amps
Operating Temperature Range	TJ	150	°C
Storage Temperature Range	T _{STG}	-55 to + 150	٥C

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		5	uA
at Rated DC Blocking Voltage	@T _A = 100°C	IR	150	uA

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

RATING AND CHARACTERISTICS CURVES (FM806C)





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