

查询FM220M供应商

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FM220M

THRU

FM240M

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE 20 to 40 Volts CURRENT 2.0 Ampere

FEATURES

- * Ideal for surface mounted applications
- * Low leakage current
- * Metallurgically bonded construction
- * Mounting position: Any
- * Weight: 0.098 gram

LOW VF

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

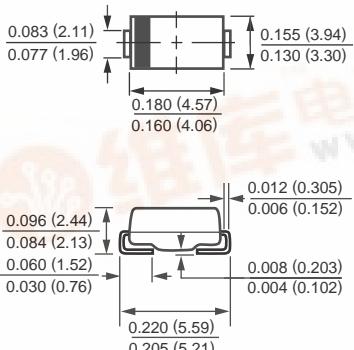
Ratings at 25 °C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%.



DO-214AA



Dimensions in inches and (millimeters)

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

RATINGS	SYMBOL	FM220M	FM230M	FM240M	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	20	30	40	Volts
Maximum RMS Voltage	V _{RMS}	14	21	28	Volts
Maximum DC Blocking Voltage	V _{DC}	20	30	40	Volts
Maximum Average Forward Rectified Current at Derating Lead Temperature	I _O		2.0		Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}		60		Amps
Typical Thermal Resistance (Note 1, 2)	R _{θJA}		75		°C/W
	R _{θJL}		17		
Operating Temperature Range	T _J		-55 to +125		°C
Storage Temperature Range	T _{STG}		-55 to +150		°C

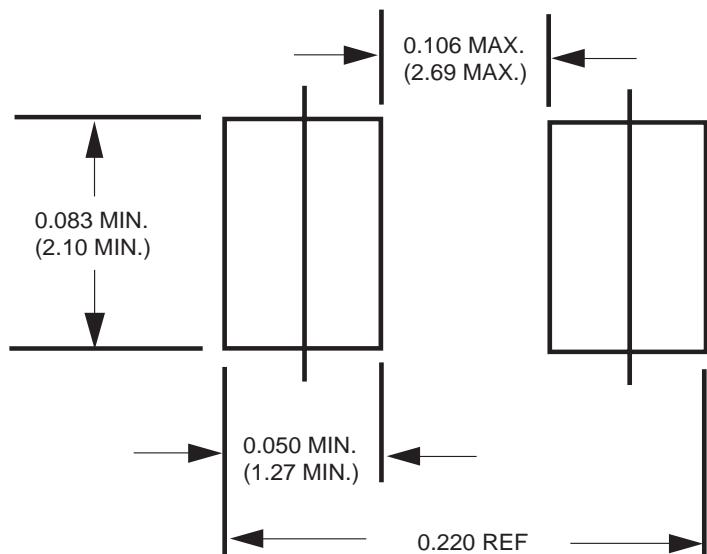
ELECTRICAL CHARACTERISTICS (At TA = 25°C unless otherwise noted)

CHARACTERISTICS	SYMBOL	FM220M	FM230M	FM240M	UNITS
Maximum Instantaneous Forward Voltage at 2.0A DC	V _F		0.44		Volts
Maximum Average Reverse Current @ TA = 25°C at Rated DC Blocking Voltage	I _R		1.0		mAmps
			10		mAmps

NOTE : 1. Thermal Resistance (Junction to Ambient).

2. P.C.B Mounted with 0.2X0.2" (5.0X5.0mm²) copper pad area.

Mounting Pad Layout



Dimensions in inches and (millimeters)