

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

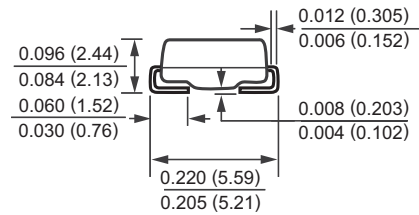
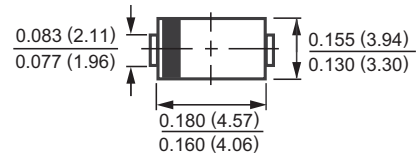
VOLTAGE RANGE 20 to 40 Volts CURRENT 2.0 Ampere

FEATURES

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

LOW VF

DO-214AA



Dimensions in inches and (millimeters)

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 (At TA = 25°C unless otherwise noted)

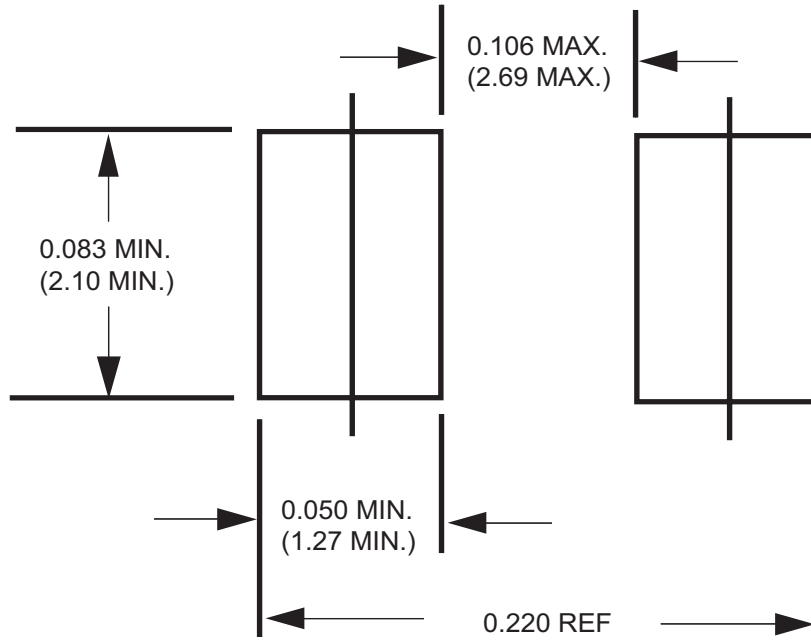
RATINGS	SYMBOL	FM220M	FM230M	FM240M	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	20	30	40	Volts
Maximum RMS Voltage	VRMS	14	21	28	Volts
Maximum DC Blocking Voltage	VDC	20	30	40	Volts
Maximum Average Forward Rectified Current at Derating Lead Temperature	IO	2.0			Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	60			Amps
Typical Current Squared Time	I ² T	14.94			A ² S
Typical Thermal Resistance (Note 1, 2)	RθJA	75			°C/W
	RθJL	17			
Operating Temperature Range	TJ	-55 to + 125			°C
Storage Temperature Range	TSTG	-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	VF	0.44			Volts
Maximum Average Reverse Current at Rated DC Blocking Voltage	@TA = 25°C	1.0			mAmps
	@TA = 100°C	10			mAmps

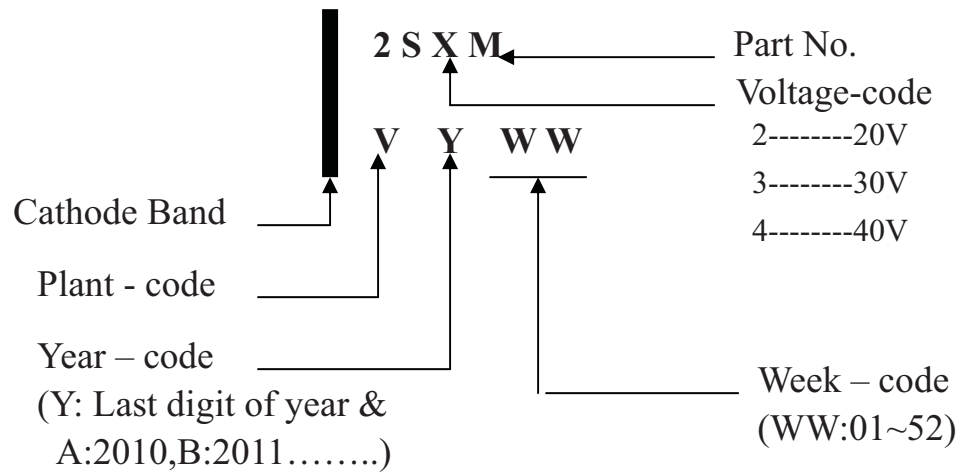
NOTES : 1. Thermal Resistance (Junction to Ambient).
2. P.C.B Monuted with 0.2X0.2" (5.0X5.0mm²) copper pad area.

Mounting Pad Layout



Dimensions in inches and (millimeters)

Marking Description



PACKAGING OF DIODE AND BRIDGE RECTIFIERS

REEL PACK

PACKAGE	PACKING CODE	EA PER REEL	EA PER INNER BOX	COMPONENT SPACE (mm)	TAPE SPACE (mm)	REEL DIA (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
SMB	-T	500	2,000	---	---	178	390*205*310	16,000	---
SMB	-W	3,000	6,000	---	---	330	360*355*360	48,000	13.90

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