

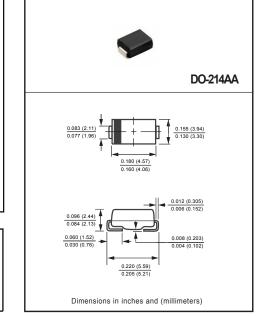


SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE 20 to 200 Volts CURRENT 2.0 Ampere

FEATURES

- * Ideal for surface mounted applications
- * Low leakage current
- * Metallurgically bonded construction
- * Mounting position: Any
- * Weight: 0.098 gram
- MECHANICAL DA TA
- * Epoxy: Device has UL flammability classification 94V-O



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%.

RATINGS	SYMBOL	FM220	FM230	FM240	FM250	FM260	FM280	FM2100	FM2150	FM2200	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	20	30	40	50	60	80	100	150	200	Volts
Maximum RMS Voltage	V _{RMS}	14	21	28	35	42	56	70	105	140	Volts
Maximum DC Blocking Voltage	V _{DC}	20	30	40	50	60	80	100	150	200	Volts
Maximum Average Forward Rectified Current at Ambient Temperature	Ι _ο	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)	R _{θJA}	75									°C/W
Typical Thermal Resistance (Note 1)	R _{θJL}	17									°C/W
Typical Junction Capacitance (Note 2)	CJ	130									pF
Operating Temperature Range	TJ	150									۰C
Storage Temperature Range	T _{STG}	-55 to + 150								۰c	

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

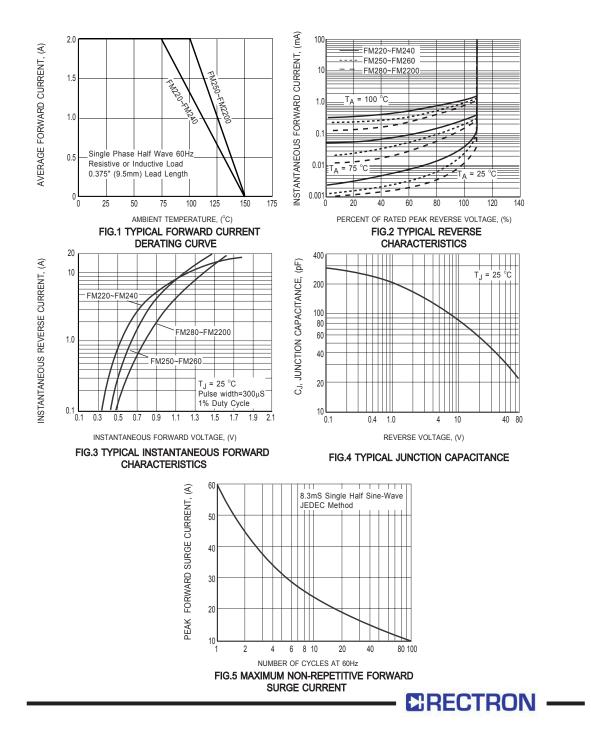
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CHARACTERISTICS		SYMBOL	FM220	FM230	FM240	FM250	FM260	FM280	FM2100	FM2150	FM2200	UNITS
Maximum Instantaneous Forward Voltage at 2.0A DC		VF	.55			.70		.85			Volts	
Maximum Average Reverse Current	@T _A = 25°C		0.2									
at Rated DC Blocking Voltage	@T _A = 100°C	I R	2									
NOTES: 1. Thermal Resistance: Mounted on PCB.										2006-11		

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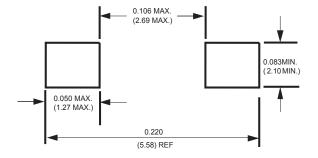
2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

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





Mounting Pad Layout



Dimensions in inches and (millimeters)



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