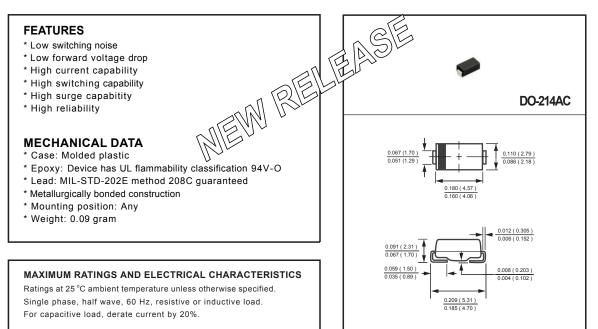




## LOW Vf SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE 20 to 40 Volts CURRENT 1.0 Ampere



Dimensions in inches and (millimeters)

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

RATINGS	SYMBOL	FMM120	FMM130	FMM140	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	20	30	40	Volts
Maximum RMS Voltage	V <sub>RMS</sub>	14	21	28	Volts
Maximum DC Blocking Voltage	V <sub>DC</sub>	20	30	40	Volts
Maximum Average Forward Rectified Current at T <sub>A</sub> =75°C	Io	1.0			Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I <sub>FSM</sub>	40			Amps
Typical Thermal Resistance (Note 1)	R <sub>θJA</sub>	85			
Typical Thermal Resistance (Note 1)	RθJL	25			
Typical Junction Capacitance (Note 2)	CJ	110			pF
Operating Temperature Range	TJ	150			٥C
Storage Temperature Range	T <sub>STG</sub>	-55 to + 150			

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

CHARACTERISTICS		SYMBOL	FMM120	FMM130	FMM140	UNITS
Maximum Instantaneous Forward Voltage at 1.0A DC		VF	.44			Volts
Maximum Average Reverse Current	@T <sub>A</sub> = 25°C	I <sub>R</sub>	1.0			mA
at Rated DC Blocking Voltage	@T <sub>A</sub> = 100°C			10		mA

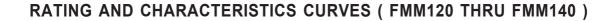
NOTES : 1. Thermal Resistance : Mounted on PCB.

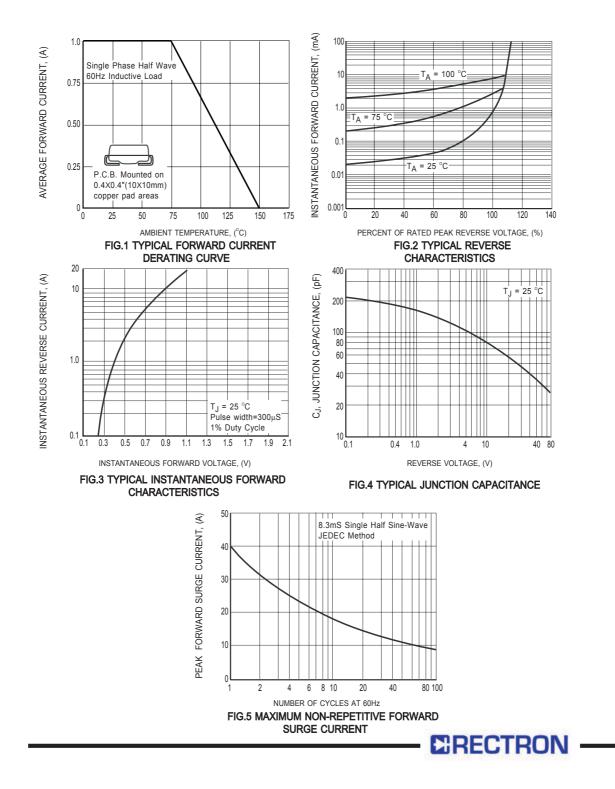
2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

3. Also available in DO-214AA (SMB).

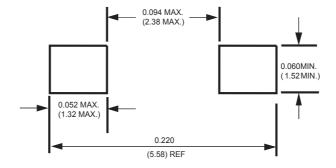
4. "Fully ROHS compliant", "100% Sn plating (Pb-free)".

2006-11





# **Mounting Pad Layout**



Dimensions in inches and (millimeters)



### **DISCLAIMER NOTICE**

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