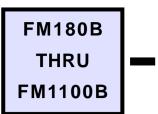
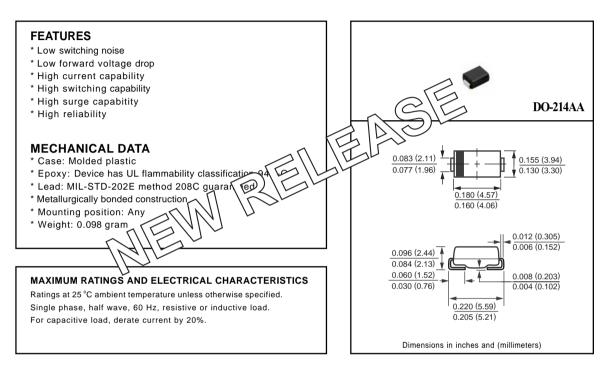
RECTRON SEMICONDUCTOR TECHNICAL SPECIFICATION



SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE 80 to 100 Volts CURRENT 1.0 Ampere



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

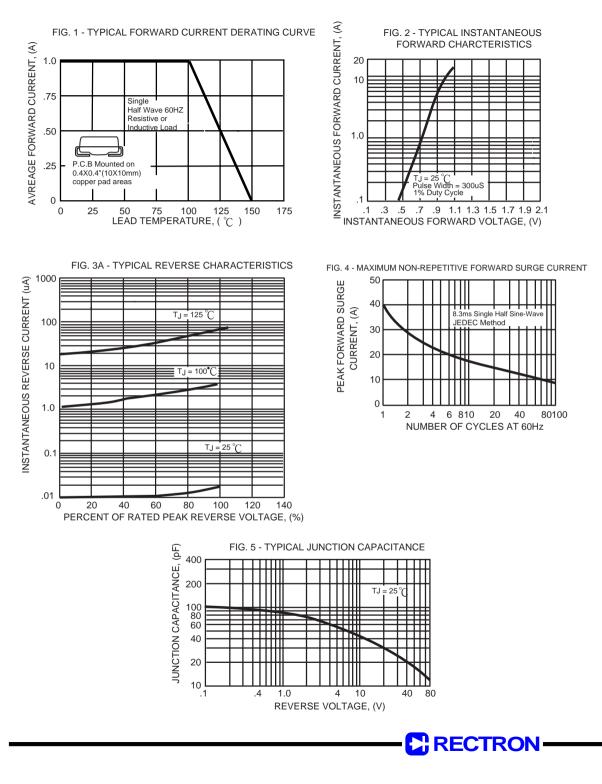
RATINGS	SYMBOL	FM180B	FM1100B	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	80	100	Volts
Maximum RMS Voltage	Vrms	56	70	Volts
Maximum DC Blocking Voltage	VDC	80	100	Volts
Maximum Average Forward Rectified Current at Derating Lead Temperature	ю	1.0		Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	40		Amps
Typical Thermal Resistance (Note 1)	RθJA	57		°C/W
Typical Junction Capacitance (Note 2)	CJ	110		pF
Operating Temperature Range	TJ	150		٥C
Storage Temperature Range	Тѕтс	-55 to + 150		٥C

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

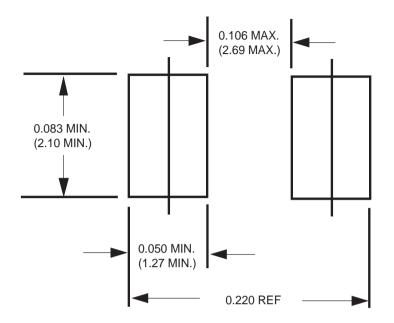
CHARACTERISTICS		SYMBOL	FM180B	FM1100B	UNITS
Maximum Instantaneous Forward Voltage at 1.0A DC		VF	.85		Volts
Maximum Average Reverse Current	@TA = 25°C	IR	1.0		uA
at Rated DC Blocking Voltage	@TJ = 125°C	IK	0.5		mA

NOTES : 1. Thermal Resistance (Junction to Ambient): Vertical PC Board Mounting, 0.5" (12.7mm) Lead Length. 2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

RATING AND CHARACTERISTIC CURVES (FM180B THRU FM1100B)



Mounting Pad Layout



Dimensions in inches and (millimeters)

