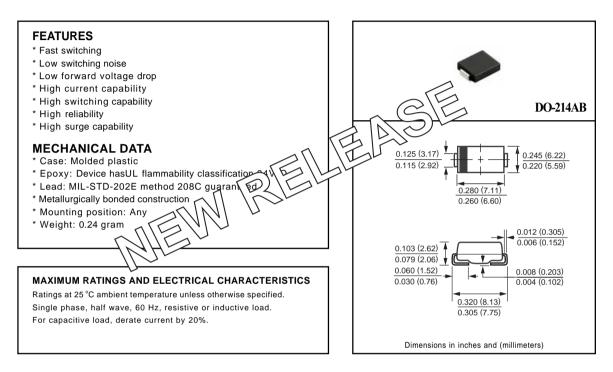




SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE 90 to 100 Volts CURRENT 3.0 Amperes



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

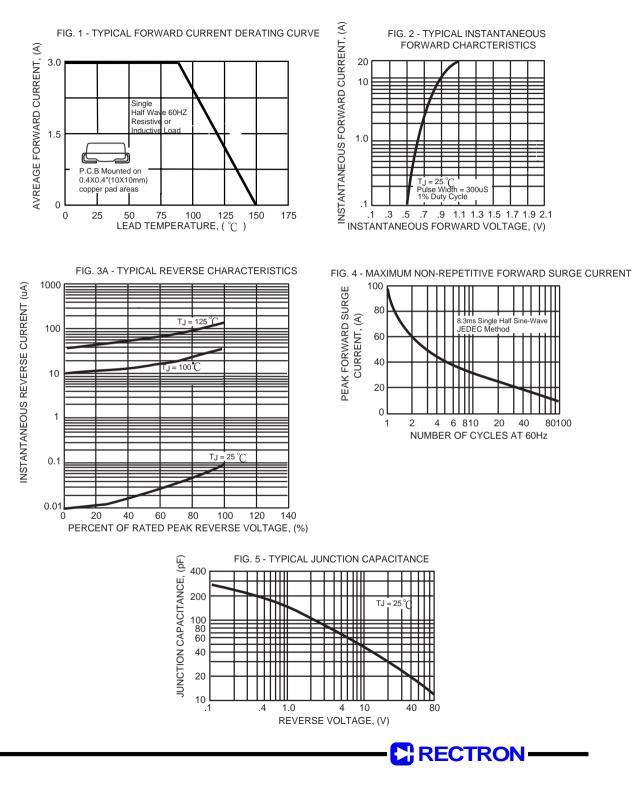
RATINGS	SYMBOL	FM390	FM3100	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	90	100	Volts
Maximum RMS Voltage	Vrms	63	70	Volts
Maximum DC Blocking Voltage	VDC	90	100	Volts
Maximum Average Forward Rectified Current at Derating Lead Temperature	lo	3.0		Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	100		Amps
Typical Thermal Resistance (Note 1)	Rθja	30		°C/W
Typical Junction Capacitance (Note 2)	CJ	300		pF
Operating Temperature Range	TJ	150		٥C
Storage Temperature Range	Тѕтс	-55 to + 150		°C

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

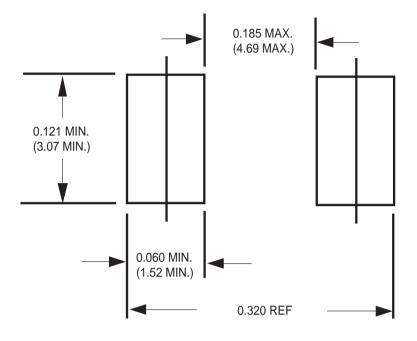
CHARACTERISTICS		SYMBOL	FM390	FM3100	UNITS
Maximum Instantaneous Forward Voltage at 3.0A DC		VF	.80		Volts
Maximum Average Reverse Current	@TA = 25°C	la.	20		uA
at Rated DC Blocking Voltage	@TJ = 125°C	IR IR	4.0		mA

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 (FM390 THRU FM3100)



Mounting Pad Layout



Dimensions in inches and (millimeters)

