

RATINGS	SYMBOL	FM5817L	FM5818L	FM5819L	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 $T_A=90^{\circ}C$	Io	W1	Amps		
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I <sub>FSM</sub>		Amps		
Typical Thermal Resistance (Note 3)	R <sub>θJA</sub>	88			° C/W
	R <sub>θJL</sub>				
Typical Junction Capacitance (Note 1)	CJ		pF		
Operating Temperature Range	TJ		٥C		
Storage Temperature Range	T <sub>STG</sub>	-55 to + 150			٥C

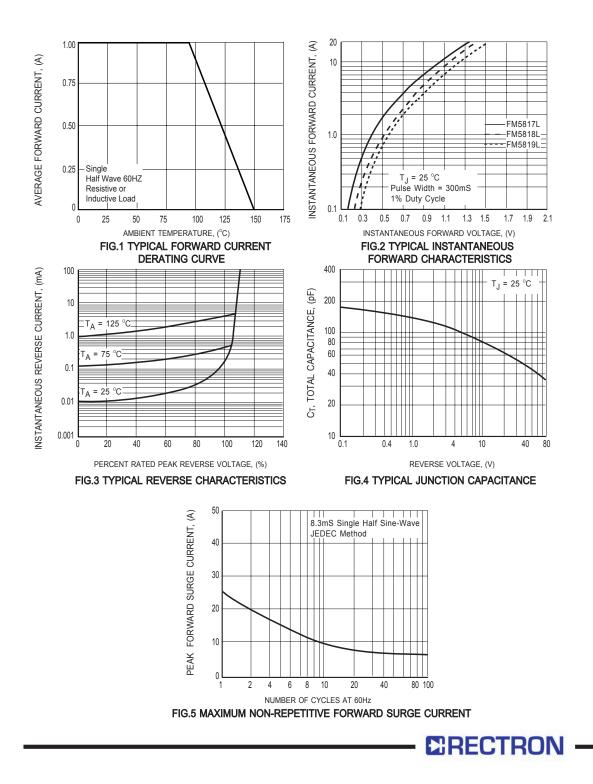
ELECTRICAL CHARACTERISTICS(@TA=2	A REAL PROPERTY AND A REAL					
CHARACTERISTICS		SYMBOL	FM5817L	FM5818L	FM5819L	UNITS
Maximum Instantaneous Forward Voltage at 1.0A DC		VF	.45	.55	.60	Volts
Maximum Instantaneous Forward Voltage at 3.1A DC		VF	.75	.875	.90	Volts
Maximum Average Reverse Current	@T <sub>A</sub> = 25°C		0.2			mAmps
at Rated DC Blocking Voltage	@T <sub>A</sub> = 100°C	IR		10		mAmps
NOTES : 1. Measured at 1 MHz and applied I	reverse voltage of 4.0 volt	5.				2006-1

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

3. Thermal Resistance : Mounted on PCB.

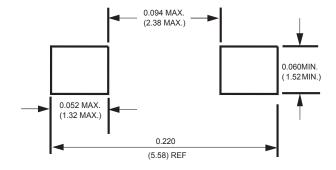
4. Also available in SMBL.





## RATING AND CHARACTERISTICS CURVES (FM5817L THRU FM5819L)

## Mounting Pad Layout



Dimensions in inches and (millimeters)

