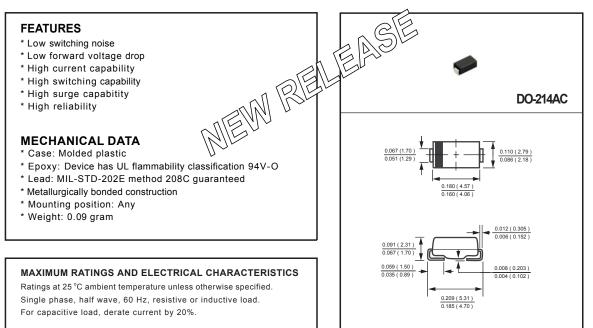




## SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE 20 to 40 Volts CURRENT 0.2 Ampere



Dimensions in inches and (millimeters)

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

RATINGS	SYMBOL	FML0220	FML0230	FML0240	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> = 110°C	I <sub>O</sub>	0.2			Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I <sub>FSM</sub>	60			
Typical Thermal Resistance (Note 1)	R <sub>θJA</sub>	85			°C/W
Typical Thermal Resistance (Note 1)	RθJL	25			°C/W
Typical Junction Capacitance (Note 2)	CJ	110			pF
Operating Temperature Range	TJ	150			٥C
Storage Temperature Range	T <sub>STG</sub>	-55 to + 150			٥C

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

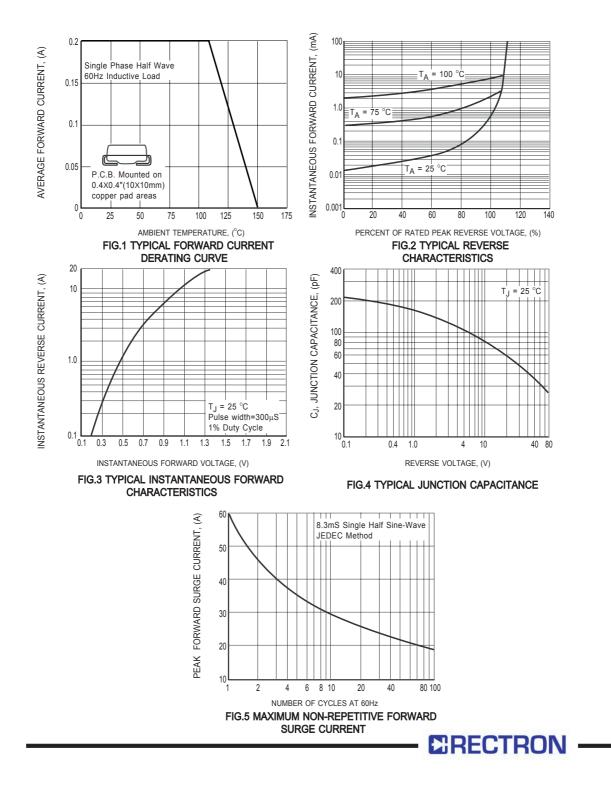
CHARACTERISTICS		SYMBOL	FML0220	FML0230	FML0240	UNITS			
Maximum Instantaneous Forward Voltage at 0.2A DC		VF	.28			Volts			
Maximum Average Reverse Current	@T <sub>A</sub> = 25°C		1.0			mA			
at Rated DC Blocking Voltage	@T <sub>A</sub> = 100°C	IR		10		mA			
NOTES: 1. Thermal Resistance: Mounted on PCB.						2006-11			

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

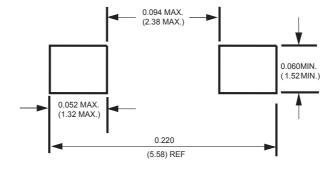
3. Also available in DO-214AA (SMB).

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





# Mounting Pad Layout



Dimensions in inches and (millimeters)



## **DISCLAIMER NOTICE**

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