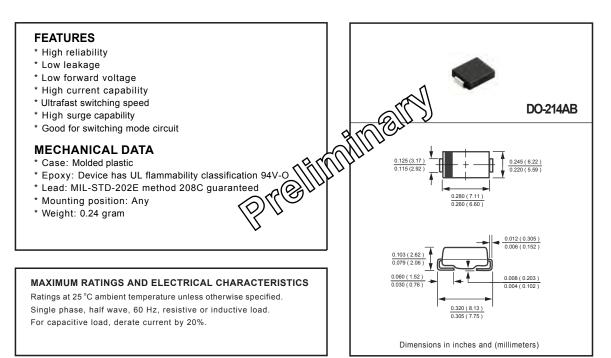




### ULTRAFAST RECTIFIER

VOLTAGE RANGE 200 to 600 Volts CURRENT 3.0 Amperes



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

RATINGS	SYMBOL	MURS320	MURS340	MURS360	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	200	400	600	Volts
Maximum RMS Voltage	V <sub>RMS</sub>	140	280	420	Volts
Maximum DC Blocking Voltage	V <sub>DC</sub>	200	400	600	Volts
Maximum Average Forward Rectified Current at T <sub>A</sub> =55°C	I <sub>O</sub>	3.0			Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I <sub>FSM</sub>	75			
Operating and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	-55 to + 150			

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

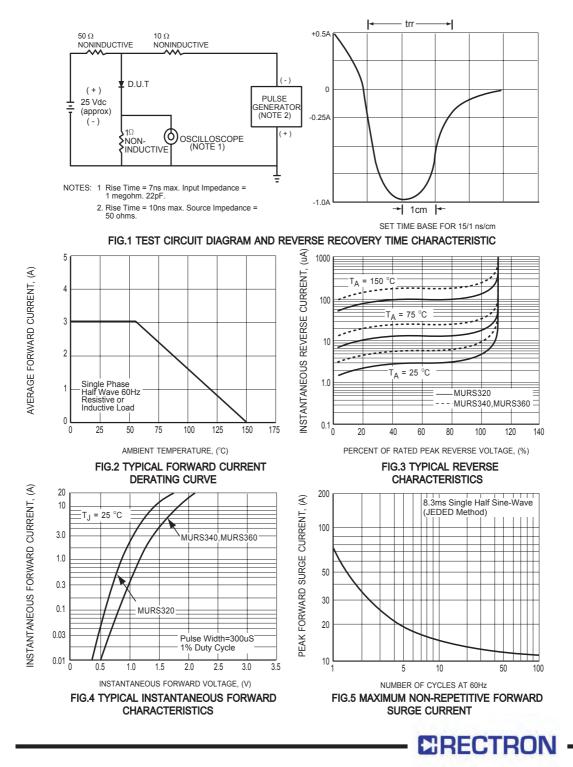
CHARACTERISTICS		SYMBOL	MURS320	MURS340	MURS360	UNITS
Maximum Instantaneous Forward Voltage at 3.0A DC		VF	0.875	1.25		Volts
	@T <sub>J</sub> = 25°C	- I <sub>R</sub> -	5	10		uAmps
	@T <sub>J</sub> = 150°C		150	25	250	
Maximum Reverse Recovery Time (Note 1)		trr	25	50		nSec

NOTES : 1. Test Conditions: I<sub>F</sub> = 0.5A, I<sub>R</sub> = -1.0A, I<sub>RR</sub> = -0.25A

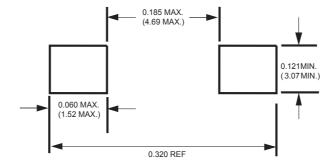
2. "Fully ROHS complaint", "100% Sn plating (Pb-free)"

2010-02 REV: O

### RATING AND CHARACTERISTICS CURVES (MURS320 THRU MURS360)



# Mounting Pad Layout



Dimensions in inches and (millimeters)



## **DISCLAIMER NOTICE**

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