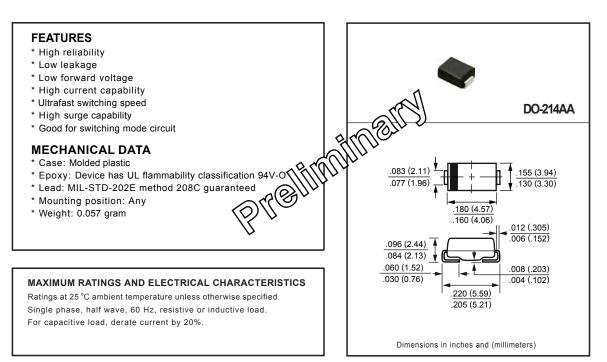




### ULTRAFAST RECTIFIER

VOLTAGE RANGE 200 to 600 Volts CURRENT 1.0 Ampere



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

RATINGS	SYMBOL	MURS120	MURS140	MURS160	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	IO	1.0			Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I <sub>FSM</sub>	35			
Operating and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	-55 to + 150			

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

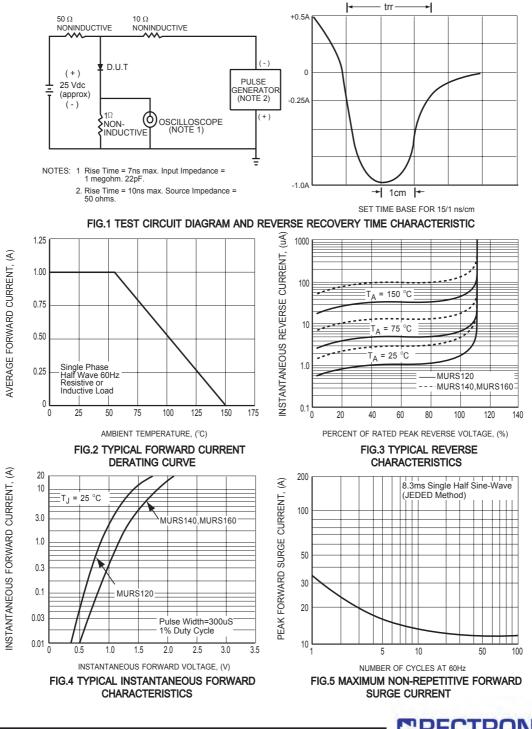
CHARACTERISTICS		SYMBOL	MURS120	MURS140	MURS160	UNITS
Maximum Instantaneous Forward Voltage at 1.0A DC		VF	0.875	1.25		Volts
	@T <sub>J</sub> = 25°C	- I <sub>R</sub> -	2.0	5.0		
	@T <sub>J</sub> = 150°C		50	15	i0	uAmps
Maximum Reverse Recovery Time (Note 1)		trr	25	50		nSec

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)"

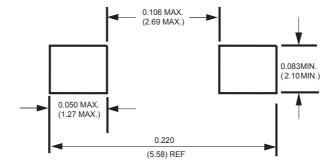
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## RATING AND CHARACTERISTICS CURVES (MURS120 THRU MURS160)



CRECTRON

# Mounting Pad Layout



Dimensions in inches and (millimeters)



## **DISCLAIMER NOTICE**

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