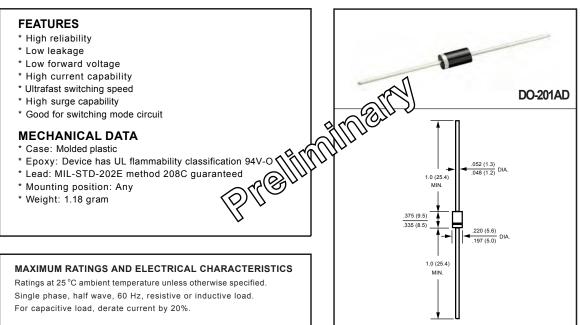




### ULTRAFAST RECTIFIER

VOLTAGE RANGE 200 to 600 Volts CURRENT 4.0 Amperes



Dimensions in inches and (millimeters)

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

RATINGS	SYMBOL	MUR420	MUR440	MUR460	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	4.0			Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I <sub>FSM</sub>	125	110		Amps
Operating and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	-55 to + 150			٥C

#### $\textbf{ELECTRICAL CHARACTERISTICS} (@T_{A} \texttt{=} 25 \ ^{\circ}C \ unless \ otherwise \ noted)$

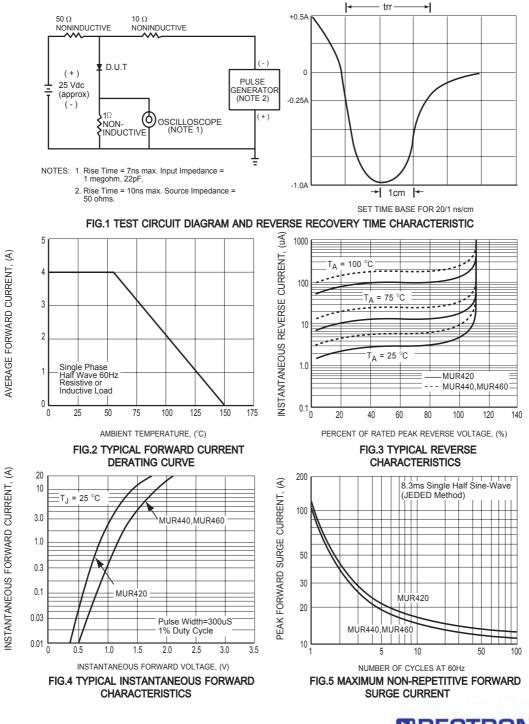
CHARACTERISTICS		SYMBOL	MUR420	MUR440	MUR460	UNITS
Maximum Instantaneous Forward Voltage at 4.0A DC		VF	0.89	1.28		Volts
	@T <sub>J</sub> = 25°C	- I <sub>R</sub> -	5	10		
	@T <sub>J</sub> = 100°C		150	25	iO	uAmps
Maximum Reverse Recovery Time (Note 1)		trr	25	50		nSec

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)"

2010-02 REV: O

### RATING AND CHARACTERISTICS CURVES (MUR420 THRU MUR460)



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