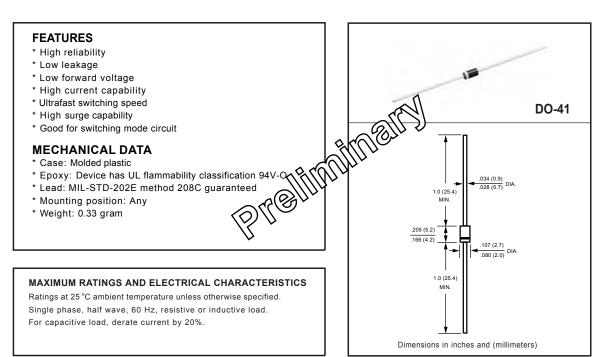


ULTRAFAST RECTIFIER

VOLTAGE RANGE 200 to 600 Volts CURRENT 1.0 Ampere



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

RATINGS	SYMBOL	MUR120	MUR140	MUR160	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	200	400	600	Volts
Maximum RMS Voltage	V _{RMS}	140	280	420	Volts
Maximum DC Blocking Voltage	V _{DC}	200	400	600	Volts
Maximum Average Forward Rectified Current at T _A =55°C	IO	1.0			Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	35			Amps
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to + 150			۰C

ELECTRICAL CHARACTERISTICS(@T_A=25 $^{\circ}$ C unless otherwise noted)

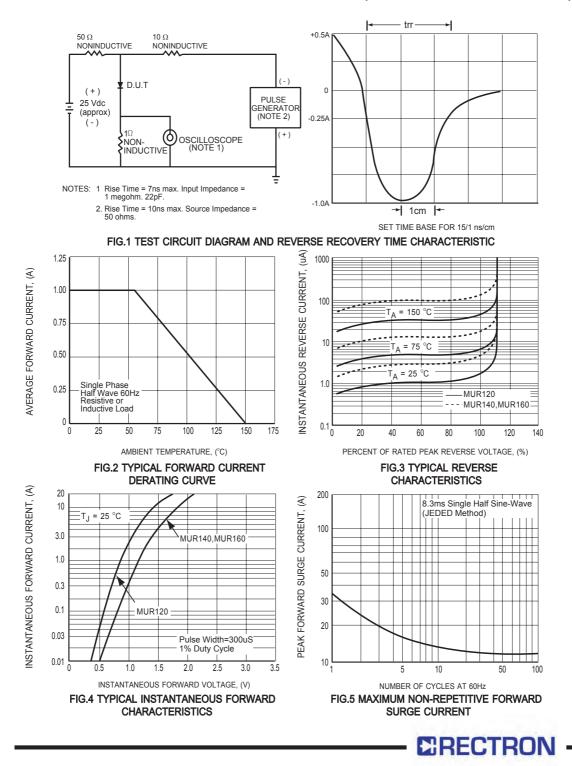
CHARACTERISTICS		SYMBOL	MUR120	MUR140	MUR160	UNITS
Maximum Instantaneous Forward Voltage at 1.0A DC		VF	0.875	1.25		Volts
	@T _J = 25°C	- I _R -	2.0	5.0		
	@T _J = 150°C		50	15	i0	uAmps
Maximum Reverse Recovery Time (Note 1)		trr	25	50		nSec

NOTES : 1. Test Conditions: I_F = 0.5A, I_R = -1.0A, I_{RR} = -0.25A

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

2010-02 REV: O

RATING AND CHARACTERISTICS CURVES (MUR120 THRU MUR160)



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