

MURS320B MURS340B MURS360B

ULTRAFAST RECTIFIER

VOLTAGE RANGE 200 to 600 Volts CURRENT 3.0 Amperes

FEATURES

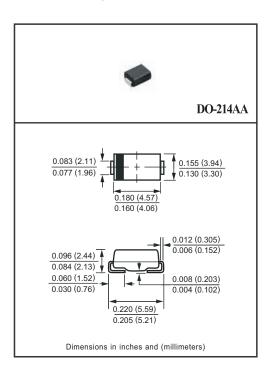
- * High reliability
- * Low leakage
- * Low forward voltage
- * High current capability
- * Ultrafast switching speed
- * High surge capability
- * Good for switching mode circuit
- * P/N suffix V means AEC-Q101 qualified, e.g:MURS320BV
- * P/N suffix V means Halogen-free

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: Device has UL flammability classification 94V-O
- * Lead: MIL-STD-202E method 208C guaranteed
- * Mounting position: Any * Weight: 0.098 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.



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

RATINGS	SYMBOL	MURS320B MURS340B		MURS360B	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	lo	3.0			
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	75			Amps
Current Squarad Time	l ² t	23.3			
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to + 150			

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

CHARACTERISTICS		SYMBOL	MURS320B	MURS340B MURS360B		UNITS
Maximum Instantaneous Forward Vo	V _F	0.875	1.2	Volts		
Maximum DC Reverse Current	@T _J = 25°C	- I _R	5	1	uAmps	
at Rated DC Blocking Voltage	@T _J = 150°C		150	250		
Maximum Reverse Recovery Time (Note 1)		trr	25	50		nSec

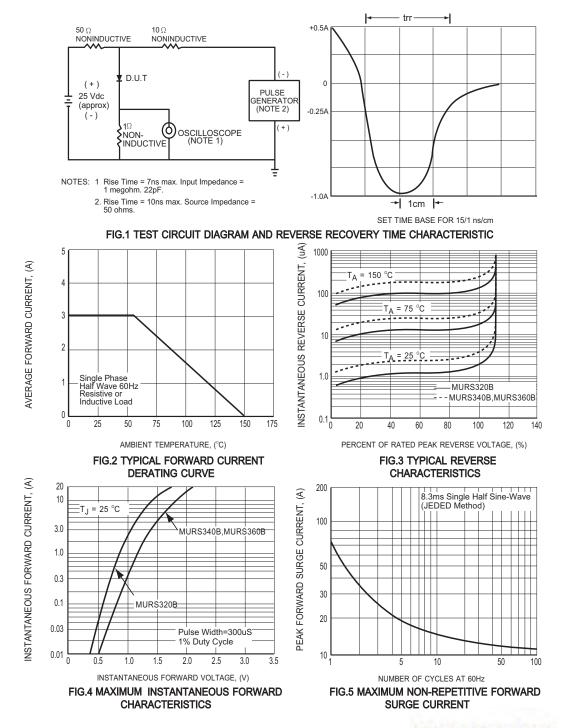
NOTES : 1. Test Conditions: I_F = 0.5A, I_R = -1.0A, I_{RR} = -0.25A

2. " ROHS compliant"

3. Available in Halogen-free epoxy by adding suffix -HF after the part nbr.

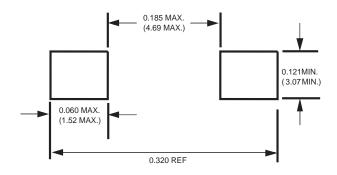
2018-10 REV: B

RATING AND CHARACTERISTICS CURVES (MURS320B THRU MURS360B)





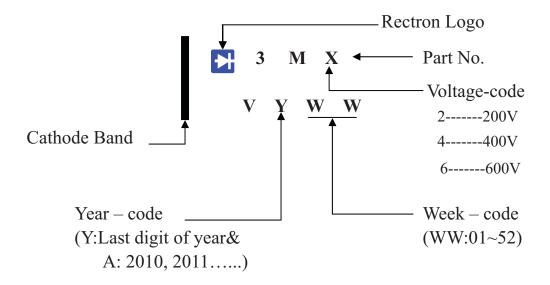
Mounting Pad Layout



Dimensions in inches and (millimeters)



Marking Description



PACKAGING OF DIODE AND BRIDGE RECTIFIERS

REEL PACK

PACKAGE	PACKING CODE	EA PER REEL	EA PER INNER BOX	COMPONENT SPACE (mm)	TAPE SPACE (mm)	REEL DIA (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
SMB	-W/-T	3,000	6,000			330	360*355*360	48,000	13.90

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