



SILICON RECTIFIER

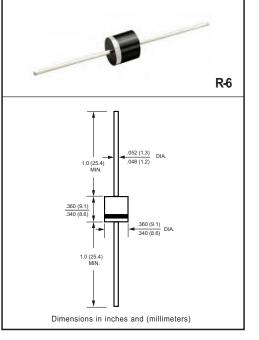
VOLTAGE 400 Volts CURRENT 6.0 Amperes

FEATURES

- * High surge current capability
- * Low leakage
- * Low forward voltage drop
- * High current capability
- * Low lost

MECHANICAL DATA

- * Case: Molded plastic black body
- * Epoxy: Device has UL flammability classification 94V-O
- * Lead: MIL-STD-202E method 208C guaranteed
- * Mounting position: Any
- * Weight: 2.08 grams



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	6A4-B-D-A01	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	400	Volts
Maximum RMS Voltage	V _{RMS}	280	Volts
Maximum DC Blocking Voltage	V _{DC}	400	Volts
Maximum Average Forward Rectified Current at TA = 50°C	lo	6.0	Amps
Peak Forward Surge Current IFM(surge): 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	400	Amps
Maximum Delta Reverse Voltage @ I _{R1} =10uA, I _{R2} =100uA	Δ_{VR}	50	V
Typical Reverse Energy @L=15mH	ER	70	mJ
Typical Thermal Resistance (Note 3)	R _{0JA}	10	° C/W
Typical Junction Capacitance (Note 1)	CJ	150	pF
Operating and Storage Temperature Range	Tj, T _{STG}	-55 to + 150	° C

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

CHARACTERISTICS		SYMBOL	6A4-B-D-A01	UNITS	
Maximum Forward Voltage at 6.0A DC		VF	1.1	Volts	
Maximum DC Average Reverse Current at	@T _A = 25°C		10	uAmps	
Rated DC Blocking Voltage	@T _A = 100°C		100		
Maximum Full Load Reverse Current Average Full Cycle .375" (9.5mm) Lead Length at $T_L=75^{\circ}C$		١ĸ	50		

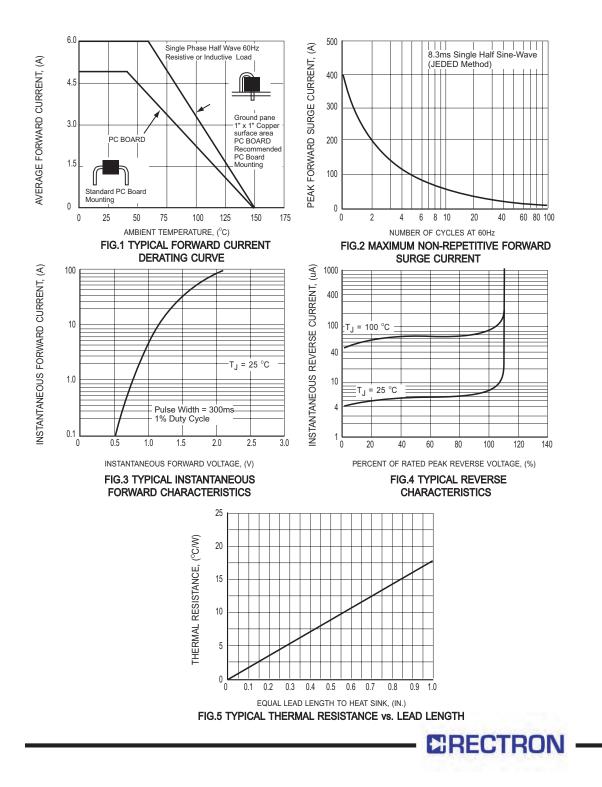
NOTES : 1. Measured at 1.0 MHz and applied average voltage of 4.0VDC

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

3. Thernal Resistance: At 9.5mm lead lengths,PCB mounted.

4. Test SPEC : $I_R \le 1uA @V_R=480V$.

2012-06 REV.O

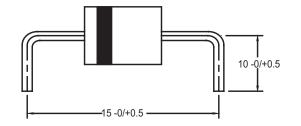


RATING AND CHARACTERISTICS CURVES (6A4-B-D-A01)

LEAD FORMING SPECIFICATIONS



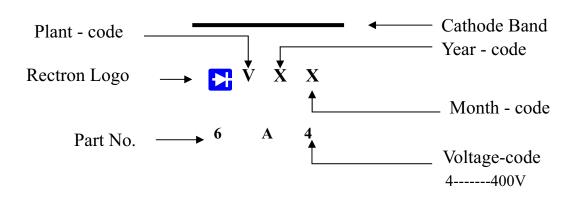
Unit: mm





Attachment information about 6A4

Marking on the body



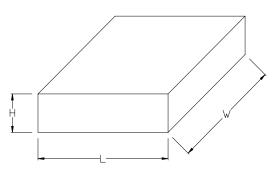
PACKAGING OF DIODE AND BRIDGE RECTIFIERS

BULK PACK

PACKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
R-6	-В	200	300*73*40	347*320*271	4,800	12.93

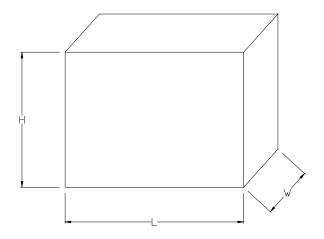


1. BOX



Packing	L	W	Н
Code	(mm)	(mm)	(mm)
-B	300	73	40
-F	255	73	100

2. CARTON



Packing	L	W	Н
Code	(mm)	(mm)	(mm)
-B	347	320	271
-T	355	360	350
-F	402	270	225

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