

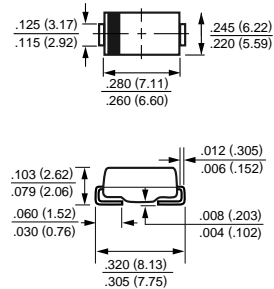
GPP TRANSIENT VOLTAGE SUPPRESSOR
3000 WATT PEAK POWER 7.5 WATTS STEADY STATE

FEATURES

- * Plastic package has underwriters laboratory
- * Glass passivated chip construction
- * 3000 watt surge capability at 1ms
- * Excellent clamping capability
- * Low zener impedance
- * Fast response time



DO-214AB



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.
resistive or inductive load,

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

RATINGS	SYMBOL	VALUE	UNITS
Peak Power Dissipation at TA = 25°C, TP = 1mS (Note 1)	PPPM	Minimum 3000	W
Steady State Power Dissipation at TL = 75°C lead length, .375" (9.5 mm) (Note 2)	PM(AV)	7.5	W
Peak Forward Surge Current, 8.3mS Single half sine-wave superimposed on rated load (JEDEC METHODE)	IFSM	250	A
Current Squarad Time	I ² t	259.2	A ² /Sec
Operating and Storage Temperature Range	TJ, TSTG	-55 to + 150	°C

NOTES : 1. Non-repetitive current pulse, per Fig.3 and derated above TA = 25°C per Fig.2.
2. Mounted on 0.2 X 0.2" (5.0 X 5.0mm) copper pad to each terminal.
3. "Fully ROHS compliant", "100% Sn plating (Pb-free)".

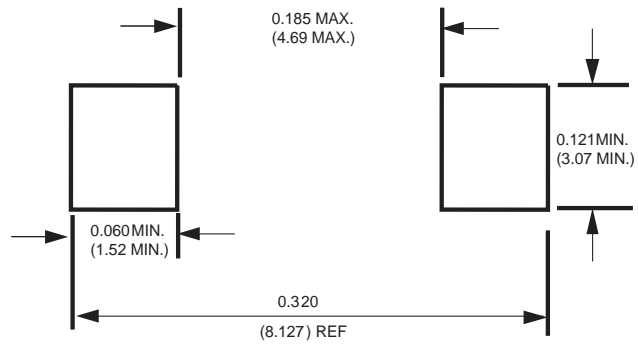
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TRANSIENT VOLTAGE SUPPRESSORS

3000W SERIES TVS DIODES/ R-6 3000W

TYPE	Breakdown Voltage		@IT (mA)	Reverse Stand off Voltage V _{WM} (Volts)	Maximum Reverse Leakage at V _{WM} I _D (uA)	Maximum Peak Pulse Current I _{PPM} (Amps)	Maximum Clamping Voltage at I _{PPM} V _C (Volts)
	V _{BR} (Volts)						
	MIN.	MAX.					
3KPSMC28A	31.1	34.4	5.0	28	10	66	45.4

Mounting Pad Layout



Dimensions in inches and (millimeters)

PACKAGING OF DIODE AND BRIDGE RECTIFIERS

REEL PACK

PACKAGE	PACKING CODE	EA PER REEL	COMPONENT SPACE(mm)	TAPE SPACE (mm)	REEL DIA (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
SMC	-T	500	---	---	176	390*205*310	12,000	6.65
SMC	-W	3,000	---	---	330	355*360*350	24,000	11.50

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