

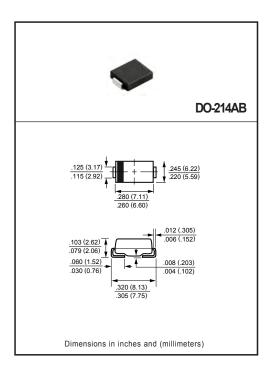
GPP TRANSIENT VOLTAGE SUPPRESSOR 3000 WATT PEAK POWER 7.5 WATTS STEADY STATE

FEATURES

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

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 T _A = 25°C,T _P = 1mS (Note 1)	P _{PPM}	Minimum 3000	W
Steady State Power Dissipation at T _L = 75°C lead length, .375" (9.5 mm) (Note 2)	P _{M(AV)}	7.5	W
Peak Forward Surge Current, 8.3mS Single half sine-wave superimposed on rated load (JEDEC METHODE)	I _{FSM}	250	А
Current Squarad Time	l ² t	259.2	A ² /Sec
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to + 150	۰C

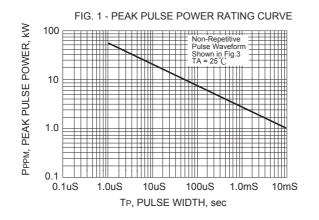
NOTES : 1. Non-repetitive current pulse, per Fig.3 and derated above $T_A = 25^{\circ}C$ per Fig.2.

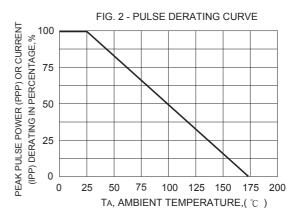
- 2. Mounted on 0.2 X 0.2" (5.0 X 5.0mm) copper pad to each terminal.

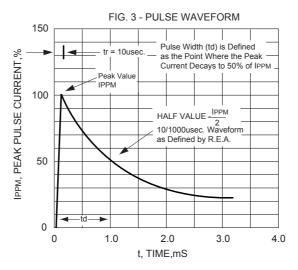
 3. "Fully ROHS compliant", "100% Sn plating (Pb-free)".

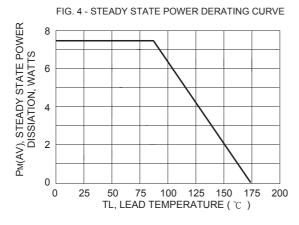
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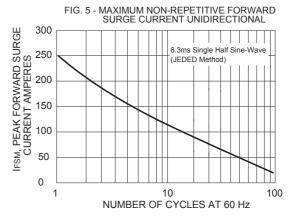
RATING AND CHARACTERISTIC CURVES (3KPSMC28A)











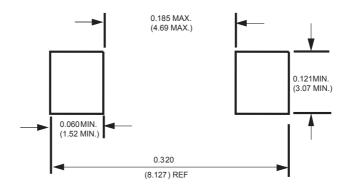
TRANSIENT VOLTAGE SUPPRESSORS

3000W SERIES TVS DIODES/ R-6 3000W

	TYPE	Breakdown Voltage			Reverse	Maximum	Maximum	Maximum
		V _{BR} (Volts)		@I _T	Stand off Voltage	Reverse Leakage	Peak Pulse Current	Clamping Voltage
		MIN.	MAX.	(mA)	V _{WM} (Volts)	at V _{WM} I _D (uA)	IPPM (Amps)	at I _{PPM} V _C (Volts)
١	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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