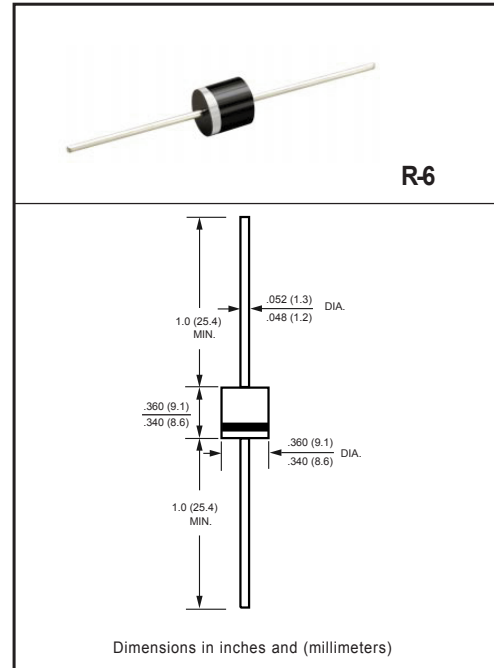


GPP TRANSIENT VOLTAGE SUPPRESSOR
3000 WATT PEAK POWER 7.5 WATTS STEADY STATE

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



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

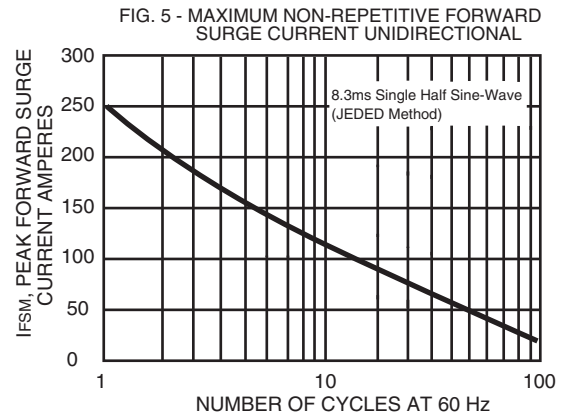
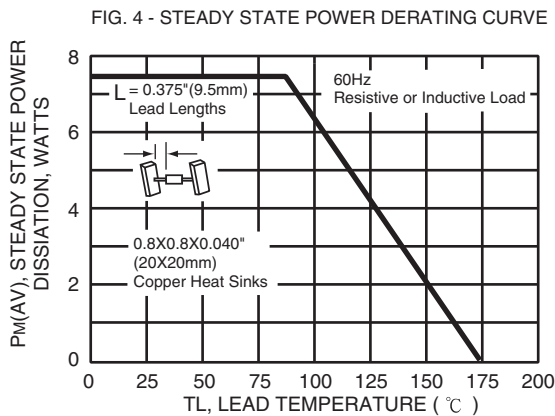
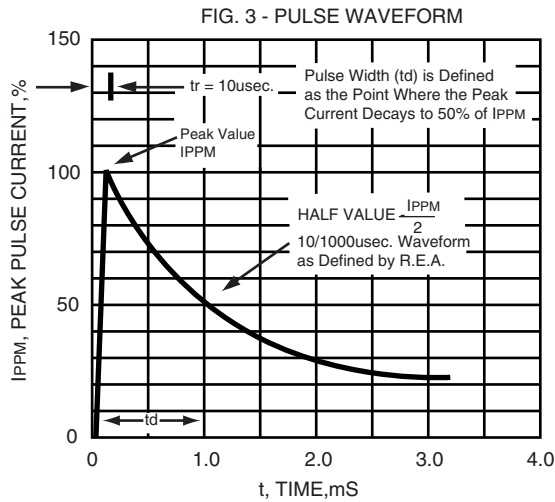
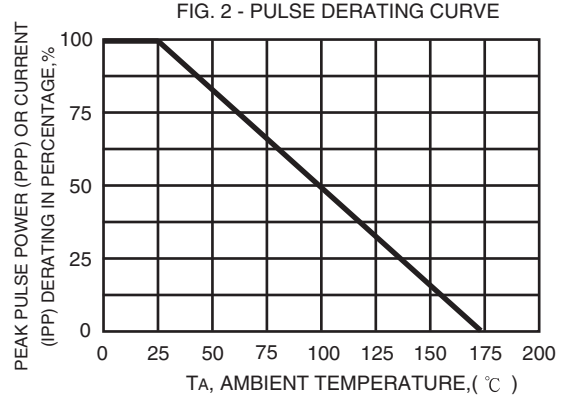
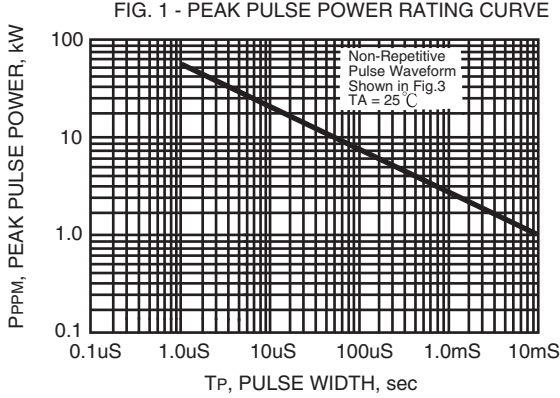
Ratings at 25 °C ambient temperature unless otherwise specified.
Single phase, half wave, 60 Hz, resistive or inductive load,
For capacitive load, derate current by 20%.

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

RATINGS	SYMBOL	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
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)".

RATING AND CHARACTERISTIC CURVES (3KP28A)



TRANSIENT VOLTAGE SUPPRESSORS

3000W SERIES TVS DIODES/ R-6 3000W

TYPE	Breakdown Voltage			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)		@I _T (mA)				
	MIN.	MAX.					
3KP28A	31.1	34.4	5.0	28	10	66	45.4

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