

5KP5.0C SERIES

V_{RM} : 5.0 - 180 Volts

PPK : 5000 Watts

FEATURES :

- * 5000W Peak Pulse Power
- * Excellent clamping capability
- * Low incremental surge resistance
- * Fast response time : typically less than 1.0 ps from 0 volt to V_{BR(min.)}
- * Typical I_R less than 1μA above 10V
- * Pb / RoHS Free

MECHANICAL DATA

- * Case : Molded plastic
- * Epoxy : UL94V-O rate flame retardant
- * Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
- * Polarity : Cathode polarity band
- * Mounting position : Any
- * Weight : 2.1 grams

DEVICES FOR UNIPOLAR APPLICATIONS

For uni-directional without "C"

Electrical characteristics apply in both directions

MAXIMUM RATINGS

Rating at 25 °C ambient temperature unless otherwise specified.

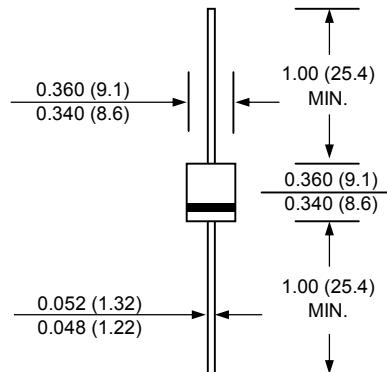
Rating	Symbol	Value	Unit
Peak Pulse Power Dissipation at t _p = 1ms (Note 1, Fig. 4)	P _{PK}	Minimum 5000	W
Steady State Power Dissipation at T _L = 75 °C Lead Lengths 0.375", (9.5mm) (Note 2)	P _D	8.0	W
Operating and Storage Temperature Range	T _J , T _{STG}	- 55 to + 150	°C

Notes :

- (1) Non-repetitive Current pulse, per Fig. 2 and derated above Ta = 25 °C per Fig. 1
- (2) Mounted on Copper Leaf area of 0.79 in² (20mm²).

BI-DIRECTIONAL TRANSIENT VOLTAGE SUPPRESSOR

D6



Dimensions in inches and (millimeters)

RATING AND CHARACTERISTIC CURVES (5KP5.0C SERIES)

FIG.1 - PULSE DERATING CURVE

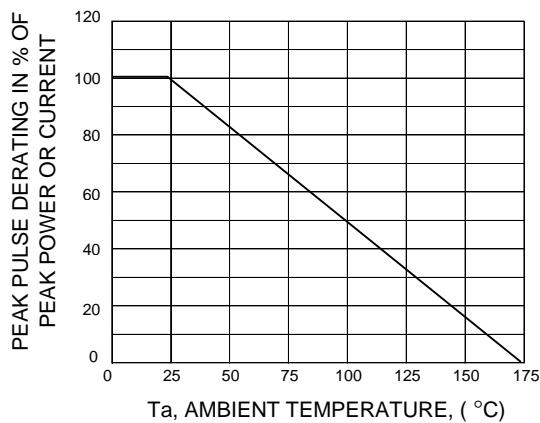


FIG.2 - PULSE WAVEFORM

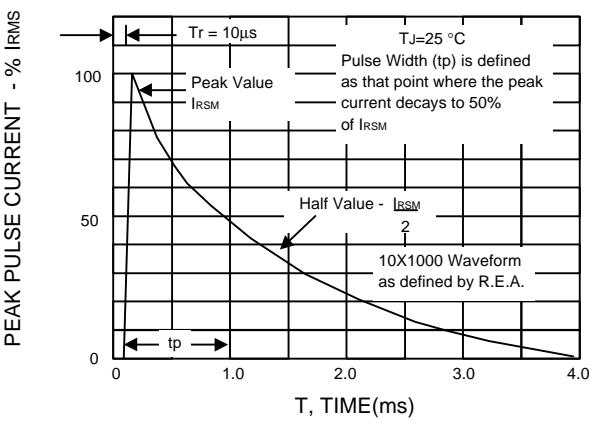


FIG.3 - STEADY STATE POWER DERATING

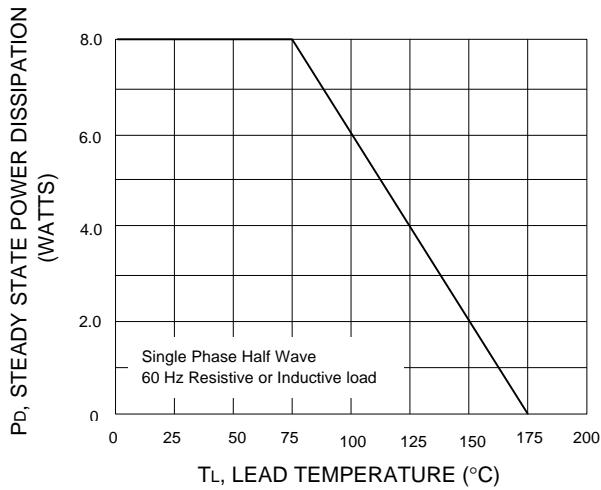


FIG.4 - PULSE RATING CURVE

