

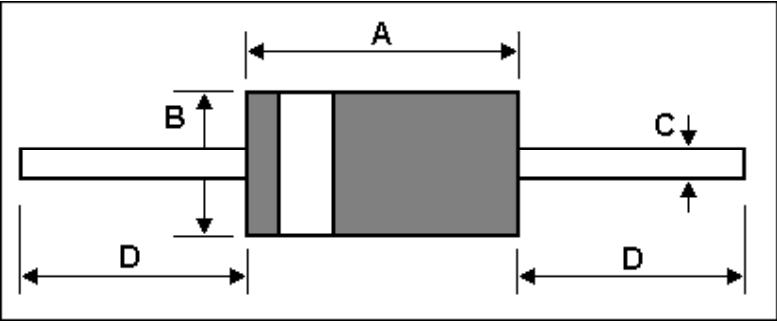
## Electrical Characteristic

TA = 25°C unless otherwise noted

Breakdown voltage VBR (Volts) @ IT (mA)			Working PeakReverse Voltage	Maximum Reverse Leakage @V <sub>RWM</sub>	Maximum Clamping Voltage @ I <sub>pp</sub>	Peak Pulse Current with a 10/1000 waveform	
Symbol	Min.	Max.	IT	V <sub>RWM</sub> (Volts)	IR(uA)	V <sub>C</sub> (Volts)	I <sub>pp</sub> (Amps)
8KP24(C)A	26.7	29.5	1	24.0	5	38.9	205.7
8KP33(C)A	36.7	40.6	1	33.0	5	53.3	150.1
8KP36(C)A	40.0	44.2	1	36.0	5	58.1	137.7

\* Maximum VF=5.0V @ 100A, 8.3ms sine wave

## Dimension

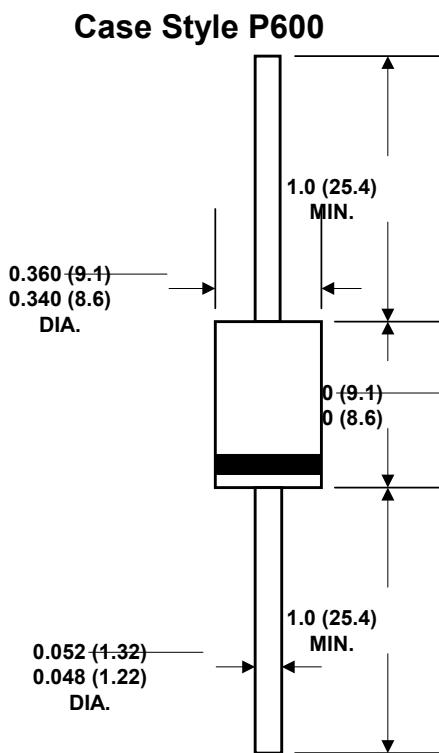


R - 6		UNIT
A	0.340-0.360 8.64-9.14	inch mm
B	0.340-0.360 8.64-9.14	inch mm
C	0.048-0.052 1.22-1.32	inch mm
D	min 1.000 min 25.40	inch mm



**GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSOR**

**8000 Watt Peak Pulse Power**



*Dimensions in inches and (millimeters)*

**FEATURES**

- Plastic package
- Glass passivated chip junction
- 8000W Peak Pulse Power capability on 10/1000  $\mu$ s waveform
- Excellent clamping capability
- Repetition rate(duty cycle):0.05%
- Low incremental surge resistance

Typical IR less than 1  $\mu$ A for  $V_{br} \geq 10V$

(9.5mm) lead length, 5lbs., (2.3kg) tension

**MECHANICAL DATA**

- Case:** Molded plastic over glass passivated junction
- Terminal:** Plated Axial leads, solderable per MIL-STD-750 , Method 2026
- Polarity:** Color band denotes positive end (cathode) except Bipolar
- Mounting Position:** Any
- Weight:** 0.07ounce, 2.1gram

**DEVICES FOR BIPOLAR APPLICATION**

**MAXIMUM RATINGS AND CHARACTERISTICS**  
Ratings at 25° ambient temperature unless otherwise specified.

RATING	SYMBOL	VALUE	UNITS
Peak Pulse Power Dissipation on 10/1000 $\mu$ s waveform (Note 1,FIG.1)	$P_{PPM}$	Minimum 8000	Watts
Peak Pulse Current of on 10/1000 $\mu$ s waveform (Note 1,FIG.3)	$I_{PPM}$	SEE TABLE 1	Amps
Steady State Power Dissipation at $T_L = 75^\circ$ , Lead lengths.375",(9.5mm) (Note 2)8	$P_M$ (AV)	8	Watts
Peak Forward Surge Current,8.3ms Single Half Sine-Wave Superimposed on Rated Load,(JEDEC Method) (Note 3)	$I_{FSM}$	400	Amps
Operating junction and Storage Temperature Range	$T_J$ , $T_{STG}$	-55 to + 175	

Notes :

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

2.Mounted on Copper Pad area of  $0.8 \times 0.8"$  (20×20mm) per Fig. 5.

3.8.3ms single half sine-wave , or equivalent square wave, Duty cycle = 4 pulses per minutes maximum.



## RATINGS AND CHARACTERISTIC CURVES

**Ratings and Characteristic Curves** ( $T_A = 25^\circ\text{C}$  unless otherwise noted)

