

**P6KE6.8  
 THRU  
 P6KE600(C)A**

**600WATTS TRANSIENT  
 VOLTAGE SUPPRESSOR  
 6.8 TO 600 VOLTS**

**Features**

- Economical series
- Available in both unidirectional and bidirectional construction and suffix "C" designates bidirectional type
- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
- 600 watts peak pulse power dissipation and 5.8~512V  $V_{WM}$
- UL Recognized File # E331408
- Halogen free available upon request by adding suffix "-HF"

- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- **POLARITY:** Banded denotes cathode. Bidirectional not marked.
- **WEIGHT:** 0.4 Gram(Appx.).
- **MOUNTING POSITION:** Any.

**Maximum Ratings**

Peak Pulse Power Dissipation at 25°C: 600Watts  
 Steady State Power Dissipation: 5 Watts at  $T_L=75^\circ C$   
 3/8" Lead Length  
 $t_{clamping}$  (0 Volts to BV Min.):  
 Unidirectional  $<1 \times 10^{-12}$  Seconds; Bidirectional  $<5 \times 10^{-9}$  Seconds.  
 Operating and Storage Temperature:  $-55^\circ C$  to  $+175^\circ C$

**APPLICATION**

Use in sensitive electronics protection against voltage transients induced by inductive load switching and lighting on ICs, MOSFET, signal lines of sensor units for consumer, computer, industrial, automotive and telecommunication.

**DO-15**

Cathode  
Mark for unidirectional only

DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.230	.300	5.80	7.60	
B	.104	.140	2.60	3.60	
C	.028	.034	.70	.90	
D	1.000	---	25.40	---	

Note: 1. High Temperature Solder Exemptions Applied, see EU Directive Annex 7.