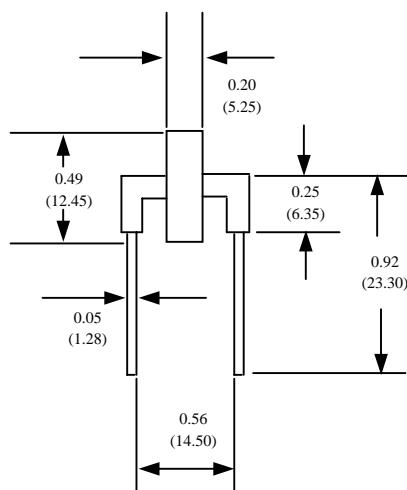


# TransinK SERIES - TransinK - 50M

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## (SILICON-AVALANCHE HIGH SURGE DIODES)



Dimensions in inches and (millimeters)

### FEATURES

Glass passivated chip junction  
1000A surge capability at 8 x 20 $\mu$ sec waveform  
( per IEC-61000-4-5 )

Excellent clamping capability  
Repetition rate ( duty cycle ) : 0.05 %  
Low incremental surge resistance  
Fast response time : typically less than 1.0 $\mu$ s  
from 0 Volts to BV  
Operation temperature : -40 ~125  
Epoxy encapsulated has Underwriters Laboratory  
Flammability Classification 94V-0

### MECHANICAL DATA

**Terminal :** Ag Plated Axial leads,solderable per  
MIL-STD-750,Method 2026

**Mounting Position :** Any

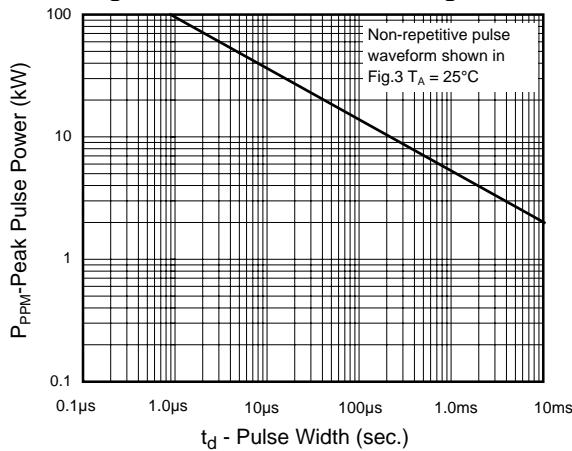
**Weight :** 0.088±0.01 ounces ( 2.497±0.283g )

RATING	SYMBOL	VALUE	UNITS
Breakdown voltage @ IT=1.0 mA	VBr	50±5%	Volt
Clamping Voltage @400A /10x1000 $\mu$ sec waveform	VC	68.85 max	Volt
Reverse Leakage @ 45.9V	IR	20 $\mu$ (max)	A

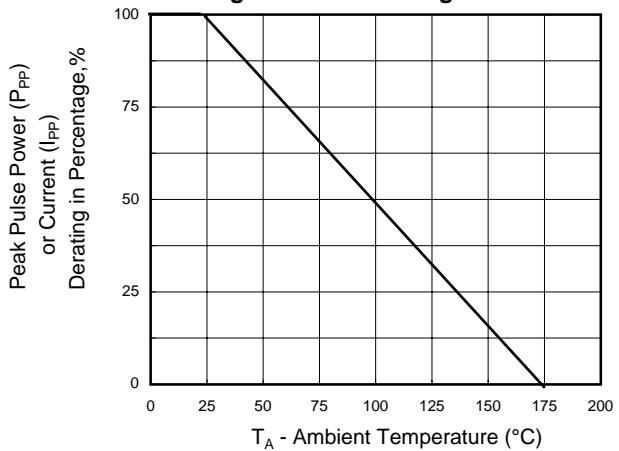
# TransinK SERIES - TransinK - 50M

## (SILICON-AVALANCHE HIGH SURGE DIODES)

**Fig. 1 - Peak Pulse Power Rating Curve**



**Fig.2 - Pulse Derating Curve**



**Fig.3 - Pulse Waveform**

