

8x20uS 1KA Transient Voltage Suppressors

TVS Diodes - 1KA > AK1 Series



Mechanical Data

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

Mounting Position: any

Features

- Glass passivated junction
- Bi-directional
- RoHS compliant
- 1KA Surge capability at 8 x 20uS waveform(per IEC-61000-4-5)
- Excellent clamping capability
- Coating powder has underwriters Laboratory



Flammability Classification 94V-0

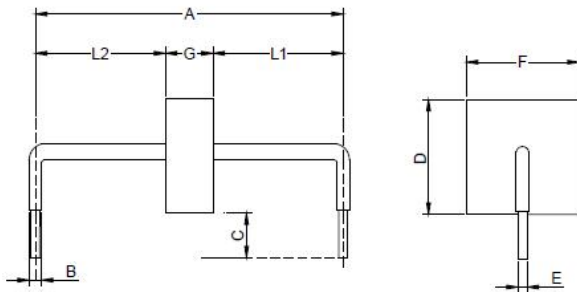
- Operation and storage Temperature:-40°C to +125°C

Electrical Characteristics

Part Number	Reverse Stand-Off Voltage		Breakdown Voltage $V_{BR@IT}$		Test Current	Maximum Clamping Voltage @IPP	Peak Pulse Current 8/20uS	Reverse Leakage @ V_{RWM}	Delivery Time
	VAC	VDC	Min(V)	Max(V)	IT(mA)	VC(V)	IPP	IR(μA)	Days
AK1-076C	54V	76V	85V	95V	10	140V	1KA	10	15days
AK1-380C	275V	380V	401V	443V	10	520V	1KA	10	15days
AK1-430C	310V	430V	440V	490V	10	625V	1KA	10	15days

Dimensions

PACKAGE MECHANICAL DATA



Symbol	Dimensions		
	Inches	Millimeters	
A	0.951±0.039	24.15±1.00	
B	0.094±0.024	2.40±0.60	
C	0.236±0.039	6.00±1.00	
D	0.570max	14.48max	
E	0.050±0.002	1.27±0.05	
F	0.500max	12.70max	
G	076C	0.169±0.047	4.30±1.20
	380C to 430C	0.287±0.047	7.30±1.20
L1/L2	L1=L2 tolerance±0.047inch(±1.20 mm)		