

## 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

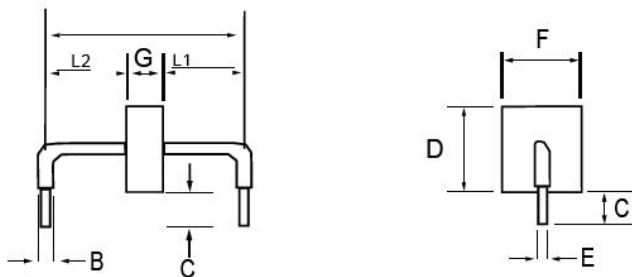
- Glass passivated junction
  - Bi-directional
  - RoHS compliant
  - 1KA Surge capability at 8 x 20uS waveform(per IEC-61000-4-5)
  - Excellent clamping capability
  - Coating powder has underwriters Laboratory
- Flammability Classification 94V-0
- Operation and storage Temperature:-40°C to +125°C



### Electrical Characteristics

Part Number	Reverse Stand-Off Voltage		Breakdown Voltage $V_{BR}@I_T$		Test Current	Maximum Clamping Voltage @IPP	Peak Pulse Current 8/20uS	Reverse Leakage @ $V_{RWM}$	Delivery Time
	$V_{AC}$	$V_{DC}$	Min(V)	Max(V)	$I_{T(mA)}$	$V_C(V)$	$I_{PP}$	$I_R(\mu A)$	Days
AK1-076C	54V	76V	85	95	10	140	1KA	10	15days
AK1-380C	275V	380V	401	443	10	520	1KA	10	15days
AK1-430C	310V	430V	440	490	10	625	1KA	10	15days

### Dimensions



Dimensions	Inches	Millimeters
A	0.950 +/- 0.040	24.15 +/- 1.00
B	0.095 +/- 0.024	2.4 +/- 0.60
C	0.145 +/- 0.040	3.68 +/- 1.00
D	0.570 max.	14.48 max.
E	0.050 +/- 0.002	1.270 +/- 0.05
F	0.500 max.	12.70 max.
G	0.096 +/- 0.040	2.44 +/- 1.00
L1	0.427 +/- 0.040	10.85 +/- 1.00
L2	= A - (G+L1) tolerance +/- 0.04 inch (1.0 mm)	