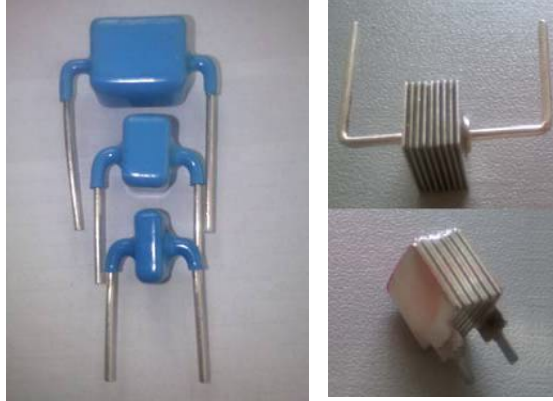




10000A Transient Voltage Suppressors

Features

- Excellent clamping capability.
- Sharp Breakdown Voltage.
- Low Slope Resistance
- Glass passivated junction.
- Bi-directional.
- RoHS compliant in lead-free versions.



Maximum Ratings And Characteristics @ 25°C Ambient Temperature (unless otherwise noted)

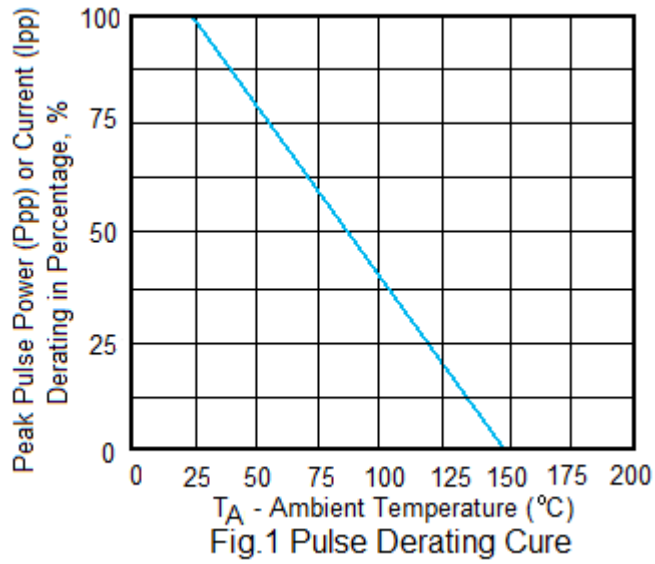
Parameter	Symbol	Value	Units
Current Rating (IPP) at 8/20us Waveform (Note 1)	I _{PPM}	10000	A
Operating Junction Temperature Range	T _J	-55 to 150	°C
Storage Temperature Range	T _{STG}	-55 to 150	°C

Electrical Specification @ 25°C Ambient Temperature (unless otherwise noted)

Type Number	Reverse Stand-Off Voltage	Reverse Leakage @V _{RMW}	Breakdown Voltage Min. @I _T	Breakdown Voltage Max. @ I _T	Test Current	Maximum Clamping Voltage @I _{PP}	Peak Pulse Current	Max. Temp Coefficient of V _{BR}
(uni)	V _{RMW} (V)	I _R (uA)	V _{BR MIN} (V)	V _{BR MAX} (V)	I _T (mA)	V _C (V)	I _{PP} (A)	(%/°C)
AK10-058C	58	20	64	70	10	110	10000	0.1
AK10-170C	170	20	180	220	10	260	10000	0.1
AK10-190C	190	20	200	245	10	290	10000	0.1
AK10-240C	240	20	250	285	10	400	10000	0.1
AK10-380C	380	20	401	443	10	520	10000	0.1
AK10-430C	430	20	440	490	10	625	10000	0.1

Note 1. Using 8/20 us wave shape as defined in IEC 61000.4.5

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



Package Outline Dimensions and Pad Layouts

