

FL E480232

Features

- · Axial Lead Terminals
- · High Current Transient Suppressor
- · Excellent Clamping Capability
- · Glass Passivated Junction
- Bi-directional
- Low Slope Resistance
- Repetition Rate(duty cycle):0.01%
- High Temperature Soldering:260°C/10 Seconds at Terminals
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- · Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant^(Note 1) ("P" Suffix Designates Compliant. See Ordering Information)

Maximum Ratings

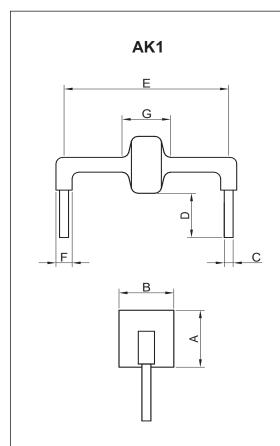
Parameter	Symbol	Va	lue	Unit
Operating Junction Temperature Range	TJ	-55 to +150		°C
Storage Temperature Range	T _{STG}	-55 to	°C	
Current Rating,Rated IPP Measured With 8/20us Pulse	IPP	AK1	1	KA

^{1.} High Temperature Solder Exemption Applied, see EU Directive Annex 7a.

Internal Structure and Marking Code

Description	Graphic symbol		
Bi-directional			

AK Series TVS Diodes



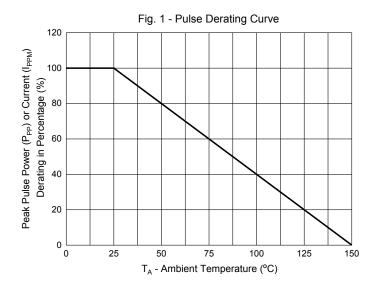
DIM INC		HES	М	NOTE		
DIIVI	MIN		MAX MIN		NOTE	
Α		0.335		8.50		
В		0.303		7.70		
С	0.047	0.052	1.20	1.32		
D	0.256	0.296	6.50	7.50		
E	0.922	0.979	23.43	24.87		
F	0.070	0.158	1.80	4.00		
G	0.143	0.262	3.65	6.65	-076C	

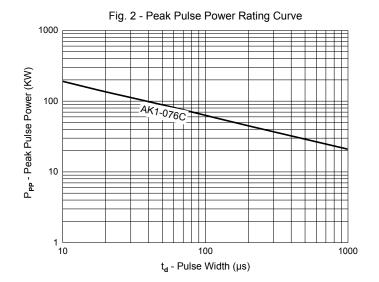


Electrical Characteristics @ 25°C Unless Otherwise Specified

Part Number	Volt	Stand- Off age		kdown tage	Test Current	Surge Current Rating	Maximum Clamping Voltage	Reverse Leakage	Marking
	VAC(V)	VDC(V)	VBR(V) MIN.@IT	VBR(V) MAX.@IT	IT(mA)	8/20us (KA)	VC(V) @IPP	IR(μA) @VDC	
AK1-076C	54	76	83	95	10	1	135	20	AK1076C

Curve Characteristics







Ordering Information

Device	Packing
AK1 Series	Bulk:150pcs/Box,1800pcs/Carton

Note: Adding "-HF" Suffix For Halogen Free, eg. Part Number-BP-HF

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