



Micro Commercial Components



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AK1-076C
THRU
AK15-076C

Features

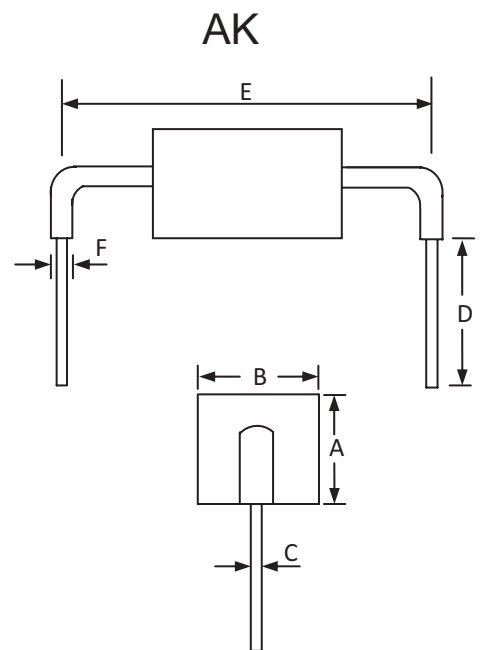
- Axial Lead Terminals
High Current Transient Suppressor
Excellent Clamping Capability
Glass Passivated Junction
Bi-directional
Low Slope Resistance
Repetition Rate(duty cycle):0.01%
Halogen Free
High Temperature Soldering:260°C/10 Seconds at Terminals
Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1
UL Approved, UL File#: E480232

AK Series
TVS Diodes
58-430 Volts

Maximum Ratings And Thermal Characteristics

Table with 4 columns: Parameter, Symbol, Value, Unit. Rows include Current Rating (Ipp) for models AK1-15 and Operating/Storage Temperature Range (Tj, Tstg).

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7a



DIMENSIONS table with columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), NOTE. Rows A-F.

Electrical Characteristics($T_A=25^{\circ}\text{C}$ unless otherwise noted)

Part Number	Reverse Stand-Off Voltage		Breakdown Voltage	Test Current	Surge Current Rating	Maximum Clamping Voltage	Reverse Leakage
	VAC(V)	VDC(V)	VBR(V) MIN.@IT	IT(mA)	8/20us (KA)	VC(V) @IPP	IR(μA) @VDC
AK1-076C	54	76	83	10	1	135	20
AK3-058C	40	58	64	10	3	110	20
AK3-066C	45	66	70	10	3	125	20
AK3-076C	54	76	85	10	3	140	20
AK3-380C	275	380	401	10	3	520	20
AK3-430C	310	430	440	10	3	625	20
AK6-058C	40	58	64	10	6	110	20
AK6-066C	45	66	70	10	6	125	20
AK6-076C	54	76	83	10	6	135	20
AK6-170C	130	170	180	10	6	260	20
AK6-190C	145	190	200	10	6	290	20
AK6-240C	180	240	250	10	6	340	20
AK6-380C	275	380	401	10	6	520	20
AK6-430C	310	430	440	10	6	625	20
AK10-058C	40	58	64	10	10	110	20
AK10-066C	45	66	70	10	10	125	20
AK10-076C	54	76	83	10	10	135	20
AK10-170C	130	170	180	10	10	260	20
AK10-190C	145	190	200	10	10	290	20
AK10-200C	150	200	222	10	10	330	20
AK10-240C	180	240	250	10	10	340	20
AK10-380C	275	380	401	10	10	520	20
AK10-430C	310	430	440	10	10	625	20
AK15-058C	40	58	64	10	15	110	20
AK15-076C	54	76	85	10	15	145	20

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

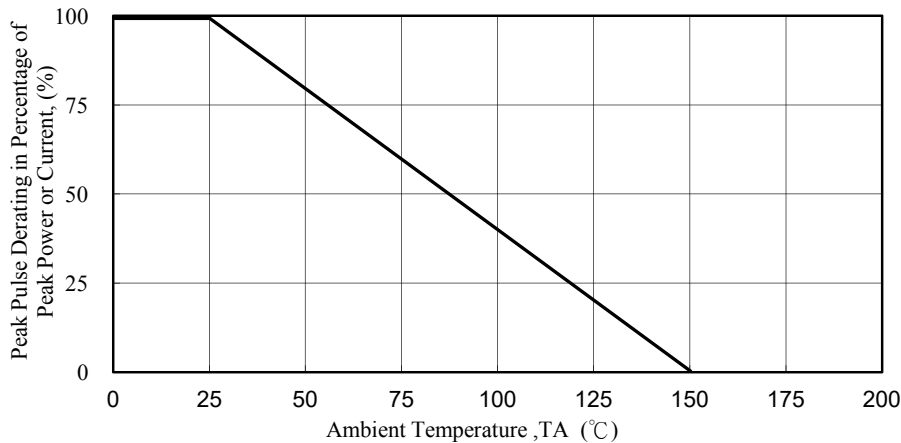


Fig. 1 - Pulse Derating Curve

Typical Peak Pulse Power Rating Curve

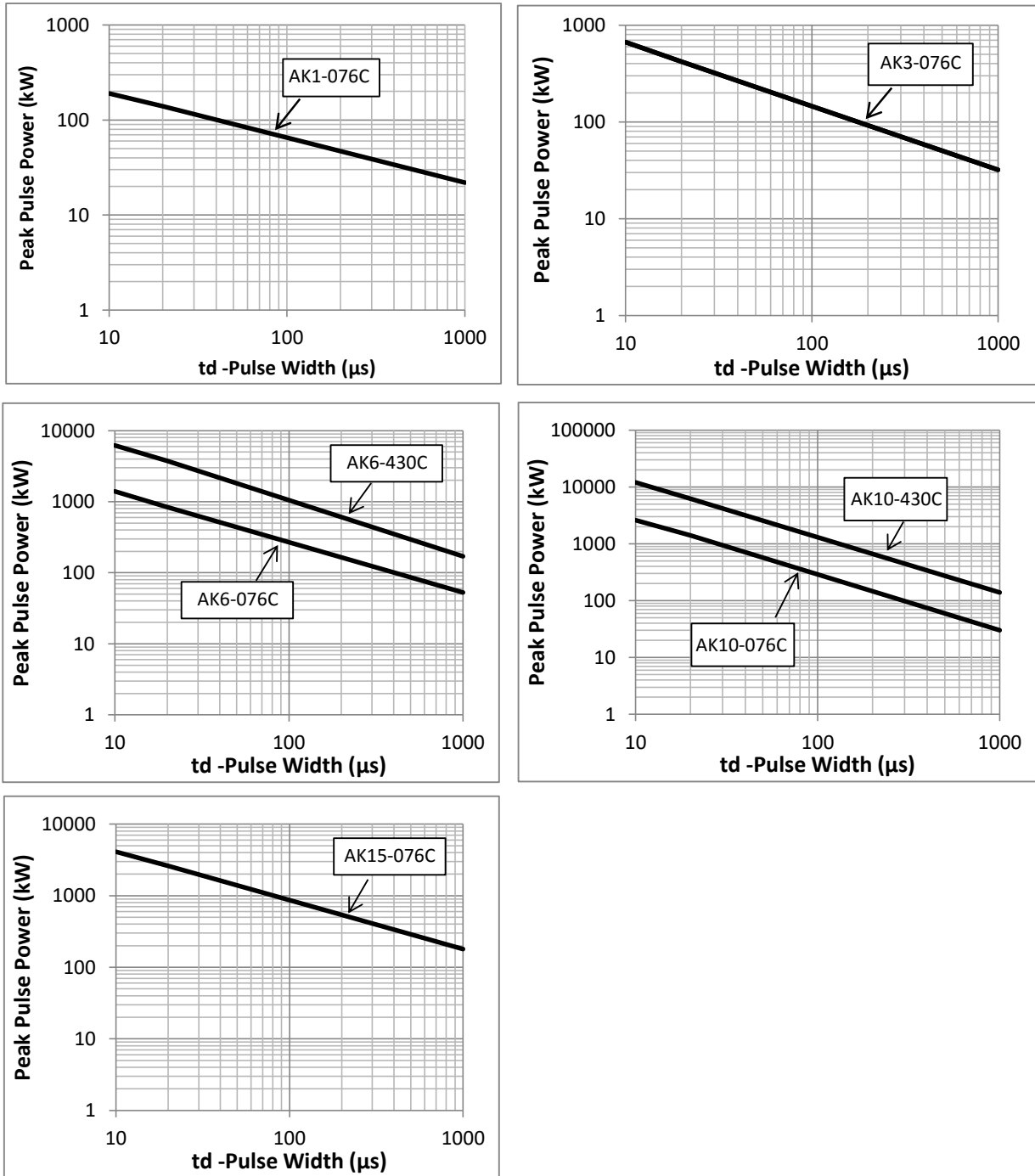


Fig.2 Peak Pulse Power Rating Curve



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Ordering Information

Device	Packing
(Part Number)-BP	Bulk: 150pcs/Box

Note : Adding "-HF" suffix for halogen free, eg. Part Number-BP-HF

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