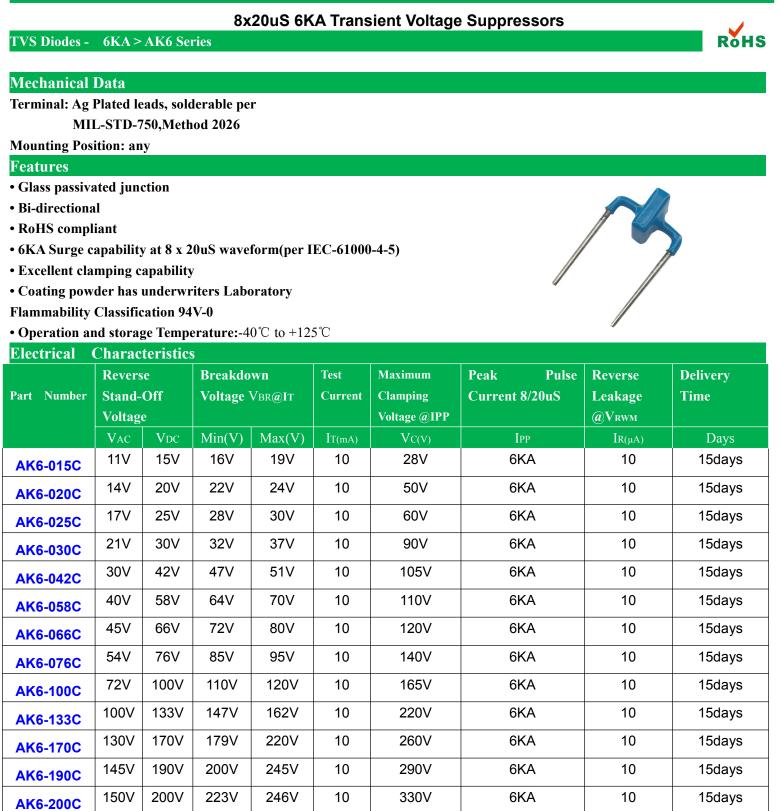
#### AK6-015C Thru AK6-430C

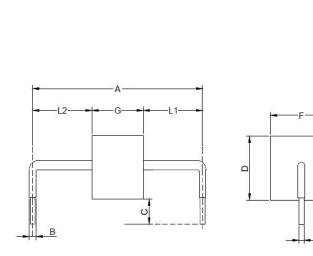


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#### **6KA Transient Voltage Suppressors**

Part Number	Revers Stand- Voltage	Off	Breakdo Voltage		Test Current	Maximum Clamping Voltage @IPP	Peak Pulse Current 8/20uS	Reverse Leakage @Vrwm	Delivery Time
	VAC	VDC	Min(V)	Max(V)	IT(mA)	VC(V)	Ірр	IR(µA)	Days
AK6-240C	180V	240V	250V	285V	10	340V	6KA	10	15days
AK6-275C	210V	275V	300V	335V	10	435V	6KA	10	15days
AK6-300C	230V	300V	330V	366V	10	470V	6KA	10	15days
AK6-350C	250V	350V	382V	422V	10	506V	6KA	10	15days
AK6-380C	275V	380V	401V	443V	10	520V	6KA	10	15days
AK6-430C	310V	430V	440V	490V	10	625V	6KA	10	15days

### PACKAGE MECHANICAL DATA

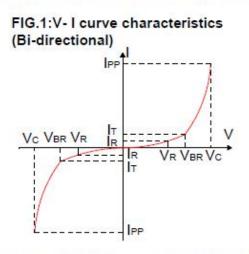


	Symbol	Dimer	isions
	Symbol	Inches	Millimeters
	A	0.951±0.039	24.15±1.00
	В	0.094±0.024	2.40±0.60
	С	C 0.236±0.039 6.00±1.00	
	D	0.570max	14.48max
	E	0.050±0.002	1.27±0.05
	F	0.500max	12.70max
-	015C to 025C	0.169±0.047	4.30±1.20
	030C to 042C	0.197±0.047	5.00±1.20
	058C to 076C	0.228±0.047	5.80±1.20
	100C	0.260±0.047	6.60±1.20
G	133C	0.287±0.047	7.30±1.20
	170C to 190C	0.346±0.047	8.80±1.20
	240C	0.406±0.047	10.30±1.20
	275C to 300C	0.496±0.047	12.60±1.20
	380C to 430C	0.559±0.047	14.20±1.20
$L_1/L_2$	L <sub>1</sub> =L <sub>2</sub> tolera	nce±0.047inch	(±1.20 mm)

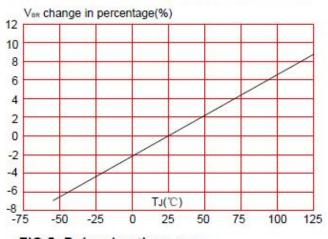
Е

#### **6KA Transient Voltage Suppressors**

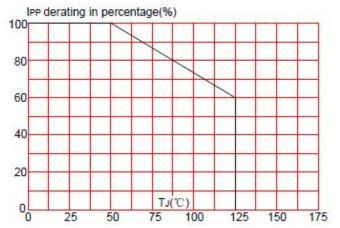
### RATINGS AND V-I CHARACTERISTICS CURVES (TA=25°C, unless otherwise noted)



#### FIG.3: Typical V<sub>BR</sub> vs junction temperature



### FIG.5: Pulse derating curve



#### Specifications are subject to change without notice

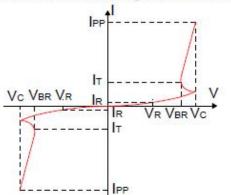
SHENZHEN HUAXINGAN ELECTRONICS CO., LTD

<u>3</u> www.huaandz.com

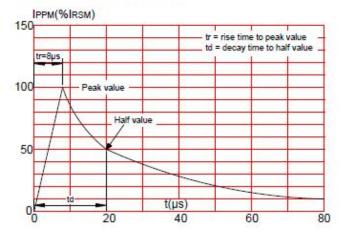
#### Tel: +86-755-27465585

Email: sales@huaandz.com

### FIG.2:V- I curve characteristics (Bi-directional with negative resistance)

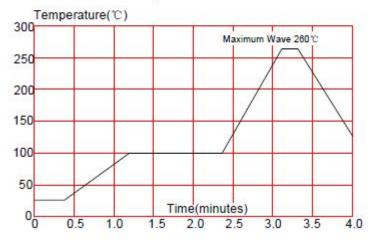


#### FIG.4: Pulse waveform



### SOLDERING PARAMETERS

#### FIG.6: Lead-free profile



Tab1: Flow/Wave soldering

Peak temperature	265℃	
Dipping time	10 seconds	
Soldering	1 time	

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