



# TVS Discharge Tube HP6KA-66AL HP6KA-20AL Anti-Surge Protection

Our Product Introduction

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## Basic Information

- Place of Origin: Dongguan,Guangdong,China
- Brand Name: LINKUN
- Certification: UL CCC RoHS
- Model Number: HP6KA-66AL HP6KA-20AL
- Minimum Order Quantity: Negotiate
- Price: Negotiate
- Packaging Details: Negotiate
- Delivery Time: 6-10 days
- Payment Terms: L/C, T/T, Western Union, D/A, MoneyGram
- Supply Ability: 100,000 0pieces/month



## Product Specification

- Product Name: TVS Discharge Tube
- 8/20us Surge Current: HP3KA-AL 3KA/HP6KA-AL 6KV
- Operating Junction Temperature Range: -40to+150°C
- Storage Temperature Range: -40to+125°C
- High Light: TVS Discharge Tube HP6KA-66AL HP6KA-20AL Anti-Surge Protection
- Highlight: **TVS Discharge Tube, Anti-Surge Protection Gas Discharge Tube**



## More Images



## Product Description

### TVS Discharge Tube HP6KA-66AL HP6KA-20AL Anti-Surge Protection

#### HP-AL-D16 Series Datasheet

##### Features

- Axial terminals
- High current & Excellent clamping capability.
- Glass passivated junction chip.
- Uni-directional.
- Low slope resistance.
- Hazardous Substances Free Compliant.
- RoHS compliant.
- High Temperature wave soldering: 265°C/10 seconds at terminals.
- Epoxy Coating.

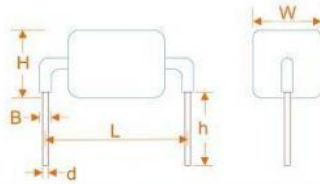


##### Maximum Ratings and Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

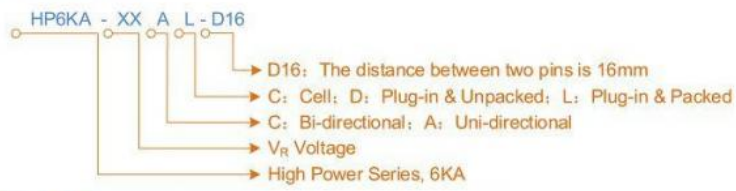
Rating	Symbol	Value		Units
8/20µs Surge Current	$I_{PP}$	HP3KA-AL	3	KA
		HP6KA-AL	6	
Operating Junction Temperature Range.	$T_J$	-40 to +150		°C
Storage Temperature Range.	$T_{STG}$	-40 to +125		°C

##### Dimensions

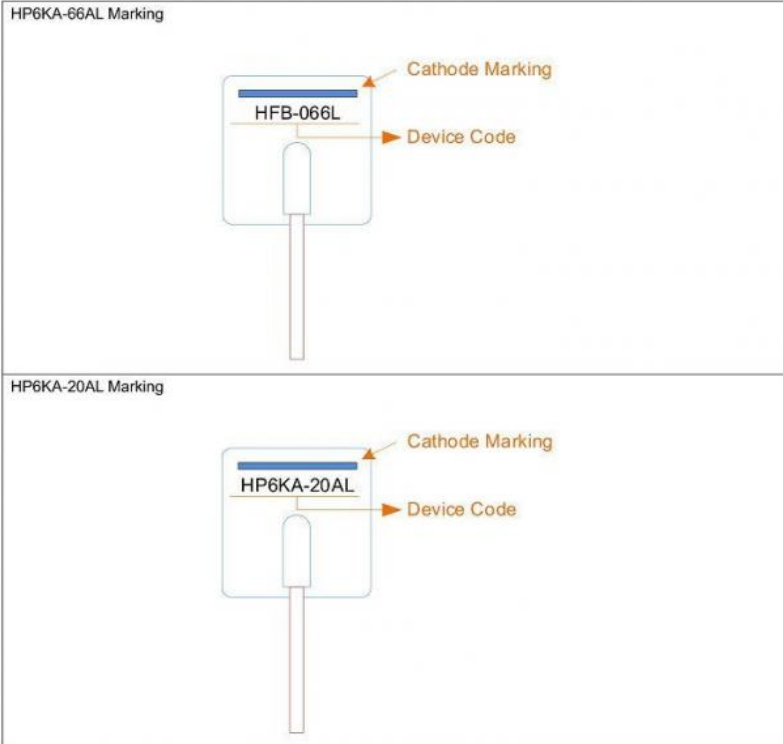


HP3KA-L & HP6KA-L Series		
Symbol	Inches	Millimeters
L	0.630±0.039	16.0±1.0
B	0.053min	1.35min
h	0.236±0.047	6.0±1.20
H	0.512max	13.0max
d	0.050±0.004	1.28±0.10
W	0.512max	13.0max

**Part Number Code**



**Marking Code**



### Electrical Characteristics

Part Number	Spec. Code	Reverse Stand-Off Voltage		Breakdown Voltage		Test Current	Current Rating 8/20 $\mu$ s	Maximum Clamping Voltage	Reverse Leakage
		V <sub>ac</sub> (V)	V <sub>oc</sub> (V)	V <sub>br</sub> (V)	V <sub>brf</sub> (V)				
HP6KA-20AL	D16	14	20	22	26	1	6KA	90	5

Part Number	Spec. Code	Reverse Stand-Off Voltage		Breakdown Voltage		Test Current	Current Rating 10/350 $\mu$ s		Maximum Clamping Voltage	Reverse Leakage
		V <sub>ac</sub> (V)	V <sub>oc</sub> (V)	V <sub>br</sub> (V)	V <sub>brf</sub> (V)		Positive	Negative		
HP6KA-66AL	D16	45	66	71.5	81.0	1	5KA	1KA	120	5

Notes: 1. TA=25°C unless otherwise specified

2. Applying 8/20 $\mu$ s wave form pulse as defined in IEC61000-4-5

3. Applying 10/350 $\mu$ s wave form pulse as defined in IEC62305-1

### Ratings and Characteristic Curves (Ta=25°C unless otherwise noted)

Figure 1. Power Derating Curve

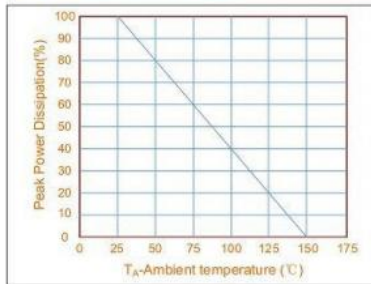


Figure 2. Surge Pulse Waveform

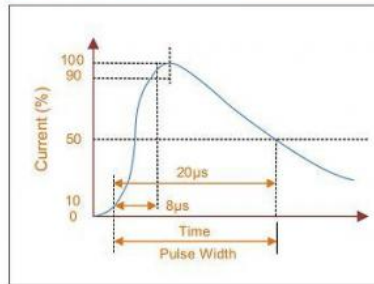
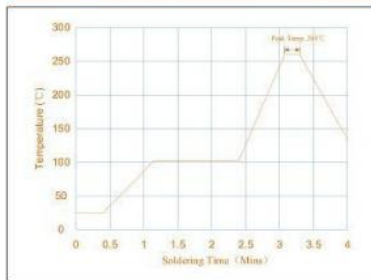


Figure 3. Wave Soldering Temperature Profile



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