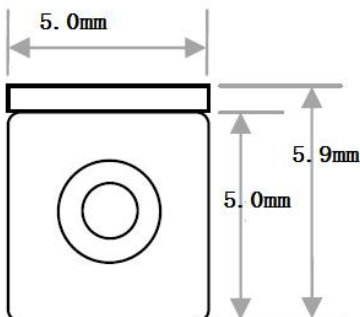
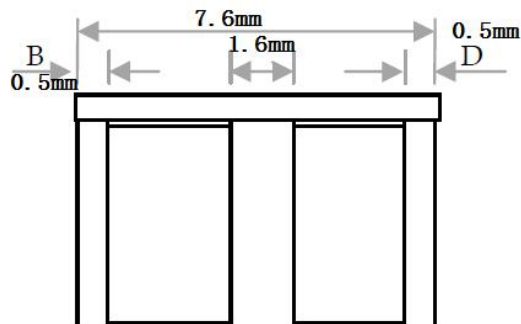


3-Electrode Gas Discharge Tubes

5KA

1: Dimension(mm)

Surface Mount, With Ceramic chip



2: Main Applications

- PCI Cards protection
- Telephone/Fax/Modem protection
- single line protection
- ADSL/XDSL Splitter, Power Supply
- Surge Protection Device/Surge Protector

3: Features

- 100% Lead-Free (RoHS Compliant)
- Non-Radioactive
- Low capacitance: $\leq 1\text{pF}$
- Small size : 5x5.9x7.6mm
- Safety certification: File number: E505240

4 Electrical Characteristics

Part Number	DC Spark-over Voltage @100V/S	Impulse Spark-over Voltage @100V/ μs	Impulse Spark-over Voltage @1KV/ μs	Insulation Resistanc e G Ω	Impulse disch arge current 8/20 μs 10 Times	Impulse Life 300 hits 10x1000 μs	AC dischar ge current 50Hz, 1s 10times	Delivery time days	UL Certifica te UL497B
HA3R5-75SMD2	75V $\pm 20\%$	$\leq 500\text{V}$	$\leq 600\text{V}$	$> 1\text{G}\Omega$	5KA	100A	5A	15days	E505240
HA3R5-90SMD2	90V $\pm 20\%$	$\leq 500\text{V}$	$\leq 600\text{V}$	$> 1\text{G}\Omega$	5KA	100A	5A	15days	E505240
HA3R5-140SMD2	140V $\pm 20\%$	$\leq 500\text{V}$	$\leq 600\text{V}$	$> 1\text{G}\Omega$	5KA	100A	5A	15days	E505240
HA3R5-150SMD2	150V $\pm 20\%$	$\leq 500\text{V}$	$\leq 600\text{V}$	$> 1\text{G}\Omega$	5KA	100A	5A	15days	E505240
HA3R5-200SMD2	200V $\pm 20\%$	$\leq 600\text{V}$	$\leq 700\text{V}$	$> 1\text{G}\Omega$	5KA	100A	5A	15days	E505240
HA3R5-230SMD2	230V $\pm 20\%$	$\leq 600\text{V}$	$\leq 700\text{V}$	$> 1\text{G}\Omega$	5KA	100A	5A	15days	E505240
HA3R5-250SMD2	250V $\pm 20\%$	$\leq 600\text{V}$	$\leq 700\text{V}$	$> 1\text{G}\Omega$	5KA	100A	5A	15days	E505240
HA3R5-300SMD2	300V $\pm 20\%$	$\leq 800\text{V}$	$\leq 900\text{V}$	$> 1\text{G}\Omega$	5KA	100A	5A	15days	E505240
HA3R5-350SMD2	350V $\pm 20\%$	$\leq 900\text{V}$	$\leq 1000\text{V}$	$> 1\text{G}\Omega$	5KA	100A	5A	15days	E505240
HA3R5-400SMD2	400V $\pm 20\%$	$\leq 900\text{V}$	$\leq 1000\text{V}$	$> 1\text{G}\Omega$	5KA	100A	5A	15days	E505240
HA3R5-420SMD2	420V $\pm 20\%$	$\leq 900\text{V}$	$\leq 1000\text{V}$	$> 1\text{G}\Omega$	5KA	100A	5A	15days	E505240
HA3R5-470SMD2	470V $\pm 20\%$	$\leq 1100\text{V}$	$\leq 1200\text{V}$	$> 1\text{G}\Omega$	5KA	100A	5A	15days	E505240
HA3R5-500SMD2	500V $\pm 20\%$	$\leq 1100\text{V}$	$\leq 1200\text{V}$	$> 1\text{G}\Omega$	5KA	100A	5A	15days	E505240
HA3R5-550SMD2	550V $\pm 20\%$	$\leq 1300\text{V}$	$\leq 1400\text{V}$	$> 1\text{G}\Omega$	5KA	100A	5A	15days	E505240
HA3R5-600SMD2	600V $\pm 20\%$	$\leq 1300\text{V}$	$\leq 1400\text{V}$	$> 1\text{G}\Omega$	5KA	100A	5A	15days	E505240
HA3R5-800SMD2	800V $\pm 20\%$	$\leq 1500\text{V}$	$\leq 1600\text{V}$	$> 1\text{G}\Omega$	5KA	100A	5A	15days	E505240

3-Electrode Gas Discharge Tubes

5KA

1:At delivery AQL 0.65 leave II Military Standard 105 E

2:In ionized mode

3:Test according to ITU-T Rec.k.12

Environmental resistance

Storage temperature:	-40℃---+90℃
Operating temperature:	-40℃---+90℃
Electrode:	Tin Plated

Example Part Number: HA3R5-90SMD2

HA	=	HUAAN
3	=	3 Electrode device
R	=	Gas Discharge Tube
5	=	5mm Diameter
90	=	90V
SMD	=	Surface-mount
2	=	With Ceramic chip

Tape Specification and Reel Dimensions

Symbol		Dimensions(mm)
W		16.0mm ±0.3
E		1.75mm ±0.1
F		7.5mm ±0.1
T		0.50mm ±0.05
P		8.0mm ±0.1
P0		4.0mm ±0.1
P2		2.0mm ±0.1
D0		Φ1.5mm ±0.1
A0		5.40mm ±0.1
K0		5.70mm ±0.1
B0		5.4mm ±0.1

Packaging Quantity

Part Number	Quantity	
	Per Reel	Per Carton
HA3R5-xxxSMD2 Series	900PCS	4500PCS