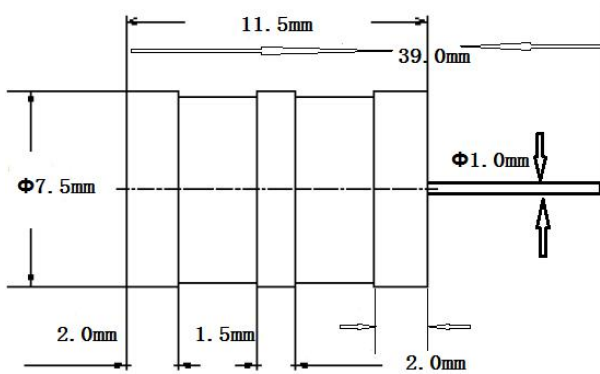


3-Electrode Gas Discharge Tubes

1: Dimension(mm)

20KA

One Axial Lead Wire



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 : $\Phi 7.5 \times 11.5\text{mm}$
- 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 Resistance G Ω	Impulse discharge current 8/20 μs 10 Times	Impulse Life 300 hits 10x1000 μs	AC discharge current 50Hz, 1s 10times	Delivery time days	UL Certificate UL497B
HA3R7-75HSMD1	75V $\pm 20\%$	$\leq 500\text{V}$	$\leq 600\text{V}$	$> 1\text{G}\Omega$	20KA	300A	20A	15days	E505240
HA3R7-90HSMD1	90V $\pm 20\%$	$\leq 500\text{V}$	$\leq 600\text{V}$	$> 1\text{G}\Omega$	20KA	300A	20A	15days	E505240
HA3R7-140HSMD1	140V $\pm 20\%$	$\leq 500\text{V}$	$\leq 600\text{V}$	$> 1\text{G}\Omega$	20KA	300A	20A	15days	E505240
HA3R7-150HSMD1	150V $\pm 20\%$	$\leq 500\text{V}$	$\leq 600\text{V}$	$> 1\text{G}\Omega$	20KA	300A	20A	15days	E505240
HA3R7-200HSMD1	200V $\pm 20\%$	$\leq 600\text{V}$	$\leq 700\text{V}$	$> 1\text{G}\Omega$	20KA	300A	20A	15days	E505240
HA3R7-230HSMD1	230V $\pm 20\%$	$\leq 600\text{V}$	$\leq 700\text{V}$	$> 1\text{G}\Omega$	20KA	300A	20A	15days	E505240
HA3R7-250HSMD1	250V $\pm 20\%$	$\leq 600\text{V}$	$\leq 700\text{V}$	$> 1\text{G}\Omega$	20KA	300A	20A	15days	E505240
HA3R7-300HSMD1	300V $\pm 20\%$	$\leq 800\text{V}$	$\leq 900\text{V}$	$> 1\text{G}\Omega$	20KA	300A	20A	15days	E505240
HA3R7-350HSMD1	350V $\pm 20\%$	$\leq 900\text{V}$	$\leq 1000\text{V}$	$> 1\text{G}\Omega$	20KA	300A	20A	15days	E505240
HA3R7-400HSMD1	400V $\pm 20\%$	$\leq 900\text{V}$	$\leq 1000\text{V}$	$> 1\text{G}\Omega$	20KA	300A	20A	15days	E505240
HA3R7-420HSMD1	420V $\pm 20\%$	$\leq 900\text{V}$	$\leq 1000\text{V}$	$> 1\text{G}\Omega$	20KA	300A	20A	15days	E505240
HA3R7-470HSMD1	470V $\pm 20\%$	$\leq 1100\text{V}$	$\leq 1200\text{V}$	$> 1\text{G}\Omega$	20KA	300A	20A	15days	E505240
HA3R7-500HSMD1	500V $\pm 20\%$	$\leq 1100\text{V}$	$\leq 1200\text{V}$	$> 1\text{G}\Omega$	20KA	300A	20A	15days	E505240
HA3R7-550HSMD1	550V $\pm 20\%$	$\leq 1300\text{V}$	$\leq 1400\text{V}$	$> 1\text{G}\Omega$	20KA	300A	20A	15days	E505240
HA3R7-600HSMD1	600V $\pm 20\%$	$\leq 1300\text{V}$	$\leq 1400\text{V}$	$> 1\text{G}\Omega$	20KA	300A	20A	15days	E505240
HA3R7-800HSMD1	800V $\pm 20\%$	$\leq 1500\text{V}$	$\leq 1600\text{V}$	$> 1\text{G}\Omega$	20KA	300A	20A	15days	E505240

3-Electrode Gas Discharge Tubes

20KA

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

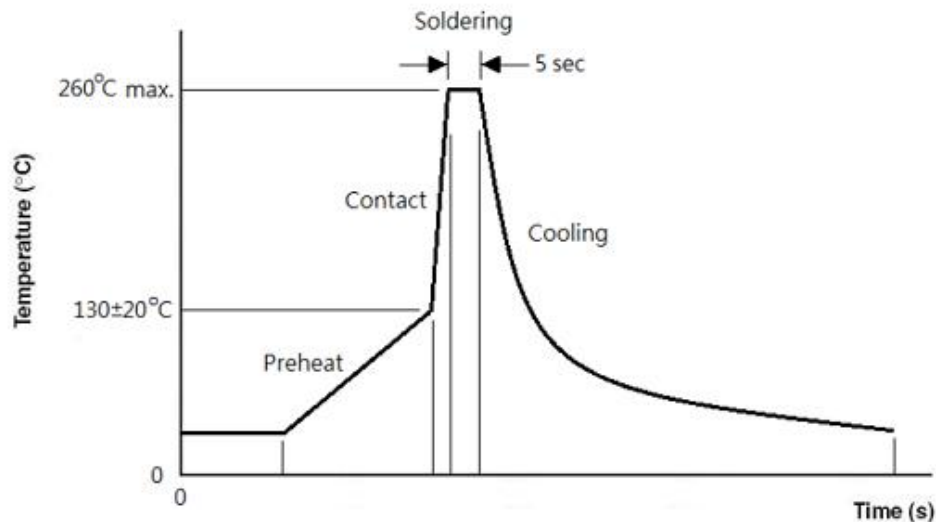
Environmental resistance

Storage temperature:	-40°C---+90°C
Operating temperature:	-40°C---+90°C
Electrode:	Tin Plated

Example Part Number: HA3R7-90HSMD1

HA	=	HUAAN
3	=	3 Electrode device
R	=	Gas Discharge Tube
7	=	7.5mm Diameter
90	=	90V
H	=	High Surge 20KA
SMD	=	Surface-mount
1	=	Add one Lead wire

Reflow Soldering Curve



Packaging Quantity

Part Number	Series	Quantity	
		Per Tray	Per Carton
HA3R7-xxxHSMD1	Series	50PCS	2500PCS