

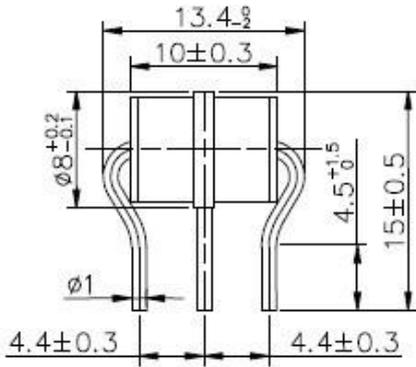
3-Electrode Gas Discharge Tubes

20KA

Radial Lead wire



1: Dimension(mm)



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: $\Phi 8 \times 10\text{mm}$
- Safety certification: File number: E505240

4 Electrical Characteristics

Part Number	DC Spark-over Voltage	Impulse Spark-over Voltage	Impulse Spark-over Voltage	Insulation Resistance	Impulse discharge current	Impulse Life	AC discharge current	Delivery time	UL Certificate
	@100V/S	@100V/ μs	@1KV/ μs	G Ω	8/20 μs	300 hits	50Hz, 1s	days	UL497B
HA3R8-75H	75V $\pm 20\%$	$\leq 500\text{V}$	$\leq 600\text{V}$	$> 1\text{G}\Omega$	20KA	200A	20A	15days	E505240
HA3R8-90H	90V $\pm 20\%$	$\leq 500\text{V}$	$\leq 600\text{V}$	$> 1\text{G}\Omega$	20KA	200A	20A	15days	E505240
HA3R8-140H	140V $\pm 20\%$	$\leq 500\text{V}$	$\leq 600\text{V}$	$> 1\text{G}\Omega$	20KA	200A	20A	15days	E505240
HA3R8-150H	150V $\pm 20\%$	$\leq 500\text{V}$	$\leq 600\text{V}$	$> 1\text{G}\Omega$	20KA	200A	20A	15days	E505240
HA3R8-200H	200V $\pm 20\%$	$\leq 600\text{V}$	$\leq 700\text{V}$	$> 1\text{G}\Omega$	20KA	200A	20A	15days	E505240
HA3R8-230H	230V $\pm 20\%$	$\leq 600\text{V}$	$\leq 700\text{V}$	$> 1\text{G}\Omega$	20KA	200A	20A	15days	E505240
HA3R8-250H	250V $\pm 20\%$	$\leq 600\text{V}$	$\leq 700\text{V}$	$> 1\text{G}\Omega$	20KA	200A	20A	15days	E505240
HA3R8-300H	300V $\pm 20\%$	$\leq 800\text{V}$	$\leq 900\text{V}$	$> 1\text{G}\Omega$	20KA	200A	20A	15days	E505240
HA3R8-350H	350V $\pm 20\%$	$\leq 900\text{V}$	$\leq 1000\text{V}$	$> 1\text{G}\Omega$	20KA	200A	20A	15days	E505240
HA3R8-400H	400V $\pm 20\%$	$\leq 900\text{V}$	$\leq 1000\text{V}$	$> 1\text{G}\Omega$	20KA	200A	20A	15days	E505240
HA3R8-420H	420V $\pm 20\%$	$\leq 900\text{V}$	$\leq 1000\text{V}$	$> 1\text{G}\Omega$	20KA	200A	20A	15days	E505240
HA3R8-470H	470V $\pm 20\%$	$\leq 1100\text{V}$	$\leq 1200\text{V}$	$> 1\text{G}\Omega$	20KA	200A	20A	15days	E505240
HA3R8-500H	500V $\pm 20\%$	$\leq 1100\text{V}$	$\leq 1200\text{V}$	$> 1\text{G}\Omega$	20KA	200A	20A	15days	E505240
HA3R8-550H	550V $\pm 20\%$	$\leq 1300\text{V}$	$\leq 1400\text{V}$	$> 1\text{G}\Omega$	20KA	200A	20A	15days	E505240
HA3R8-600H	600V $\pm 20\%$	$\leq 1300\text{V}$	$\leq 1400\text{V}$	$> 1\text{G}\Omega$	20KA	200A	20A	15days	E505240
HA3R8-800H	800V $\pm 20\%$	$\leq 1500\text{V}$	$\leq 1600\text{V}$	$> 1\text{G}\Omega$	20KA	200A	20A	15days	E505240

3-Electrode Gas Discharge Tubes

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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

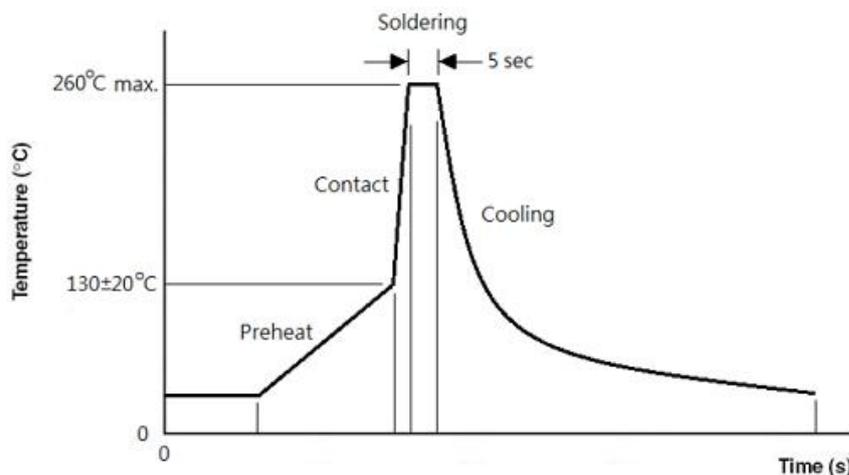
Environmental resistance

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

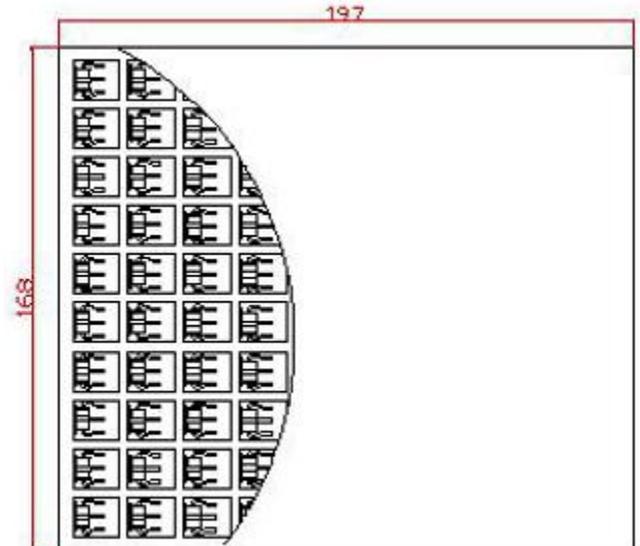
Example Part Number: HA3R8-90H

HA	=	HUAAN
3	=	3 Electrode device
R	=	Gas Discharge Tube
8	=	8mm Diameter
90	=	90V
H	=	High Surge 20KA GDT,Axial Lead Wire

Reflow Soldering Curve



Packaging Information



Packaging Quantity

Part Number	Quantity	
	Per Tray	Per Carton
HA3R8-xxxH Series	100PCS	5000PCS