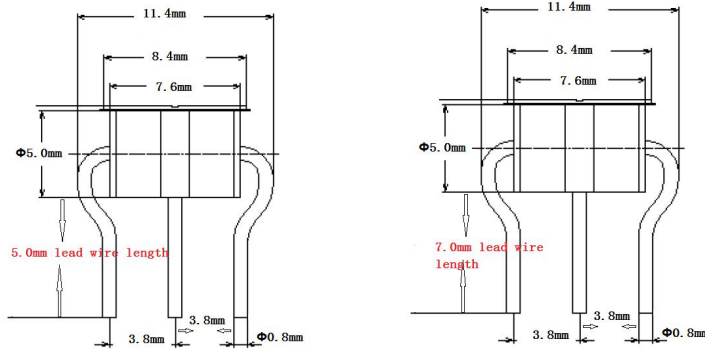


3-Electrode Gas Discharge Tubes

5KA

1: Dimension(mm)

Radial Lead wire,With Fail Safe



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: ≤1pF
- Small size :Φ5x7.6mm
- 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	GΩ	8/20μs	300 hits	50Hz,1s	days	UL497B
HA3R5-75F	75V ±20%	≤500V	≤ 600V	>1GΩ	5KA	100A	5A	15days	E505240
HA3R5-90F	90V ±20%	≤500V	≤ 600V	>1GΩ	5KA	100A	5A	15days	E505240
HA3R5-140F	140V±20%	≤500V	≤ 600V	>1GΩ	5KA	100A	5A	15days	E505240
HA3R5-150F	150V±20%	≤500V	≤ 600V	>1GΩ	5KA	100A	5A	15days	E505240
HA3R5-200F	200V±20%	≤600V	≤ 700V	>1GΩ	5KA	100A	5A	15days	E505240
HA3R5-230F	230V±20%	≤600V	≤ 700V	>1GΩ	5KA	100A	5A	15days	E505240
HA3R5-250F	250V±20%	≤600V	≤ 700V	>1GΩ	5KA	100A	5A	15days	E505240
HA3R5-300F	300V±20%	≤800V	≤ 900V	>1GΩ	5KA	100A	5A	15days	E505240
HA3R5-350F	350V±20%	≤900V	≤ 1000V	>1GΩ	5KA	100A	5A	15days	E505240
HA3R5-400F	400V±20%	≤900V	≤ 1000V	>1GΩ	5KA	100A	5A	15days	E505240
HA3R5-420F	420V±20%	≤900V	≤ 1000V	>1GΩ	5KA	100A	5A	15days	E505240
HA3R5-470F	470V±20%	≤1100V	≤ 1200V	>1GΩ	5KA	100A	5A	15days	E505240
HA3R5-500F	500V±20%	≤1100V	≤ 1200V	>1GΩ	5KA	100A	5A	15days	E505240
HA3R5-550F	550V±20%	≤1300V	≤ 1400V	>1GΩ	5KA	100A	5A	15days	E505240
HA3R5-600F	600V±20%	≤1300V	≤1400V	>1GΩ	5KA	100A	5A	15days	E505240
HA3R5-800F	800V±20%	≤1500V	≤1600V	>1GΩ	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

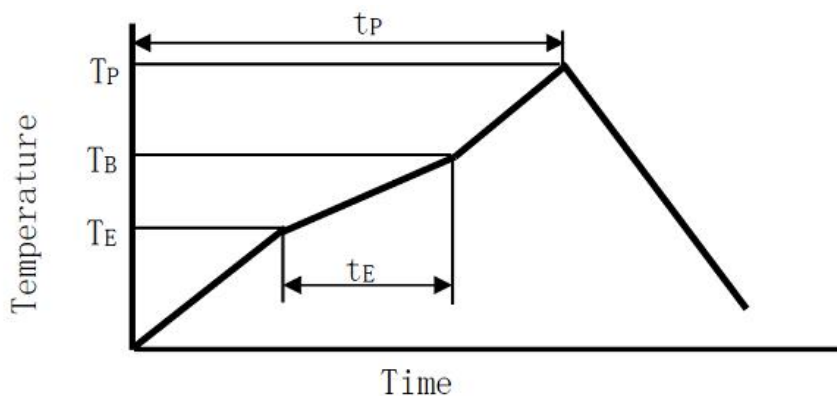
Storage temperature:	-40°C---+90°C
Operating temperature:	-40°C---+90°C
Electrode:	Tin Plated

Example Part Number: HA3R5-90F

HA	=	HUAAN
3	=	3 Electrode device
R	=	Gas Discharge Tube
5	=	5mm Diameter
90	=	90V
F	=	With Fail Short mechanism on top

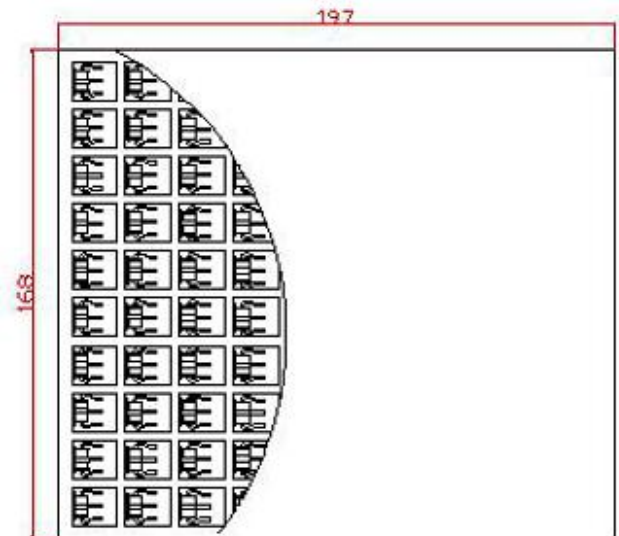
Reflow Soldering Curve

Packaging Information



$T_E \text{ max}=180^\circ\text{C}$ $t_E \text{ max}=60\text{s (at } T_E \text{ max)}$

$T_B \text{ max}=220^\circ\text{C}$



Packaging Quantity

Part Number	Quantity	
	Per Tray	Per Carton
HA3R5-xxxF Series	100PCS	5000PCS