

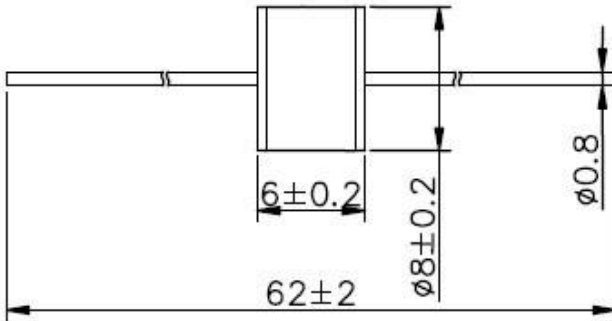
2-Electrode Gas Discharge Tubes

5KA

Axial 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: $\leq 1.5\text{pF}$
- Small size : $\Phi 8 \times 6(\text{mm})$
- 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 10 Times	300 hits 10x1000 μs	50Hz, 1s 10times	days	UL497B
2R-75	75V $\pm 20\%$	$\leq 500\text{V}$	$\leq 600\text{V}$	$> 10\text{G}\Omega$	5KA	100A	5A	12days	E505240
2R-90	90V $\pm 20\%$	$\leq 500\text{V}$	$\leq 600\text{V}$	$> 10\text{G}\Omega$	5KA	100A	5A	12days	E505240
2R-140	140V $\pm 20\%$	$\leq 500\text{V}$	$\leq 600\text{V}$	$> 10\text{G}\Omega$	5KA	100A	5A	12days	E505240
2R-150	150V $\pm 20\%$	$\leq 500\text{V}$	$\leq 600\text{V}$	$> 10\text{G}\Omega$	5KA	100A	5A	12days	E505240
2R-200	200V $\pm 20\%$	$\leq 600\text{V}$	$\leq 700\text{V}$	$> 10\text{G}\Omega$	5KA	100A	5A	12days	E505240
2R-230	230V $\pm 20\%$	$\leq 600\text{V}$	$\leq 700\text{V}$	$> 10\text{G}\Omega$	5KA	100A	5A	12days	E505240
2R-250	250V $\pm 20\%$	$\leq 600\text{V}$	$\leq 700\text{V}$	$> 10\text{G}\Omega$	5KA	100A	5A	12days	E505240
2R-260	260V $\pm 20\%$	$\leq 700\text{V}$	$\leq 800\text{V}$	$> 10\text{G}\Omega$	5KA	100A	5A	12days	E505240
2R-300	300V $\pm 20\%$	$\leq 800\text{V}$	$\leq 900\text{V}$	$> 10\text{G}\Omega$	5KA	100A	5A	12days	E505240
2R-350	350V $\pm 20\%$	$\leq 900\text{V}$	$\leq 1000\text{V}$	$> 10\text{G}\Omega$	5KA	100A	5A	12days	E505240
2R-400	400V $\pm 20\%$	$\leq 900\text{V}$	$\leq 1000\text{V}$	$> 10\text{G}\Omega$	5KA	100A	5A	12days	E505240
2R-420	420V $\pm 20\%$	$\leq 900\text{V}$	$\leq 1000\text{V}$	$> 10\text{G}\Omega$	5KA	100A	5A	12days	E505240
2R-470	470V $\pm 20\%$	$\leq 1100\text{V}$	$\leq 1200\text{V}$	$> 10\text{G}\Omega$	5KA	100A	5A	12days	E505240
2R-500	500V $\pm 20\%$	$\leq 1100\text{V}$	$\leq 1200\text{V}$	$> 10\text{G}\Omega$	5KA	100A	5A	12days	E505240
2R-550	550V $\pm 20\%$	$\leq 1300\text{V}$	$\leq 1400\text{V}$	$> 10\text{G}\Omega$	5KA	100A	5A	12days	E505240
2R-600	600V $\pm 20\%$	$\leq 1300\text{V}$	$\leq 1400\text{V}$	$> 10\text{G}\Omega$	5KA	100A	5A	12days	E505240

4 Electrical Characteristics

Continue

Part Number	DC Holdover Voltage	On-State Voltage	Impulse discharge current 8/20μs	Peak Current @10/350 μs	Arc voltage at 1 A	Glow to arc transition current	Glow voltage	Weight
	Per ITU K.12 (<150ms)	Nominal @ 1A	1time	1time	V	A	V	g
2R-75	<52V	20V	10KA	1KA	~ 10V	< 0.8A	~ 55V	~1.5g
2R-90	<52V	20V	10KA	1KA	~ 12V	< 0.8A	~ 55V	~1.5g
2R-140	<80V	20V	10KA	1KA	~ 12V	< 0.5A	~ 60V	~1.5g
2R-150	<80V	20V	10KA	1KA	~ 12V	< 0.5A	~ 60V	~1.5g
2R-200	<135V	20V	10KA	1KA	~ 12V	< 0.5A	~ 60V	~1.5g
2R-230	<135V	20V	10KA	1KA	~ 12V	< 0.5A	~ 60V	~1.5g
2R-250	<135V	20V	10KA	1KA	~ 12V	< 0.5A	~ 60V	~1.5g
2R-260	<135V	20V	10KA	1KA	~ 12V	< 0.5A	~ 60V	~1.5g
2R-300	<150V	20V	10KA	1KA	~ 12V	< 0.2A	~ 60V	~1.5g
2R-350	<150V	20V	10KA	1KA	~ 12V	< 0.2A	~ 60V	~1.5g
2R-400	<150V	20V	10KA	1KA	~ 12V	< 0.2A	~ 60V	~1.5g
2R-420	<150V	20V	10KA	1KA	~ 12V	< 0.2A	~ 60V	~1.5g
2R-470	<150V	20V	10KA	1KA	~ 12V	< 0.2A	~ 60V	~1.5g
2R-500	<150V	20V	10KA	1KA	~ 12V	< 0.2A	~ 60V	~1.5g
2R-550	<150V	20V	10KA	1KA	~ 12V	< 0.2A	~ 60V	~1.5g
2R-600	<150V	20V	10KA	1KA	~ 12V	< 0.2A	~ 60V	~1.5g

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

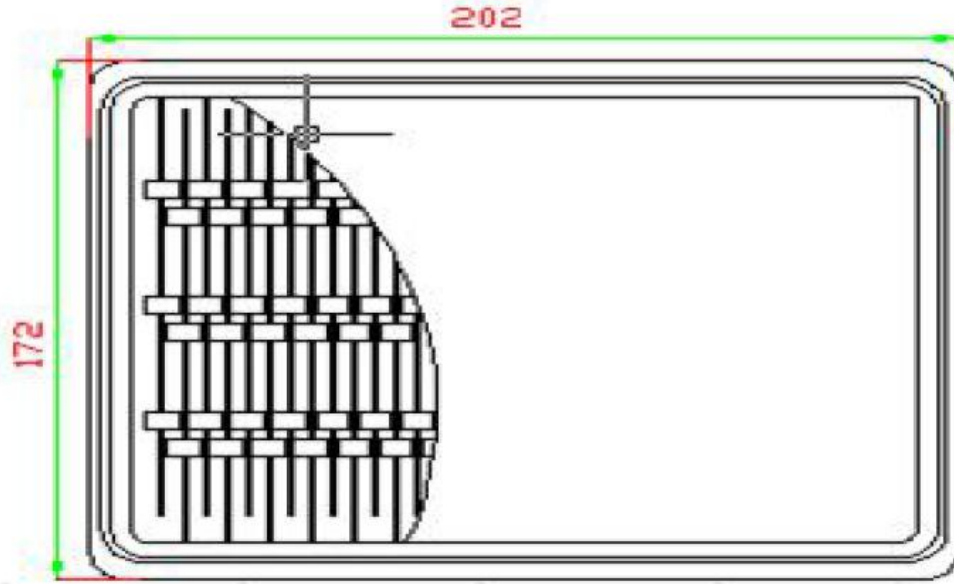
Environmental resistance

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

Example Part Number: HA2R8-90L

HA	=	HUAAN
2	=	2 Electrode device
R	=	Gas Discharge Tube
8	=	8mm Diameter
90	=	90V
L	=	Low Surge 5KA

Packaging Information



Packaging Quantity

Part Number	Quantity	
	Per Tray	Per Carton
2R-xxx Series	100PCS	5000PCS