HUAAN 华兴安电子 HUAAN LIMITED

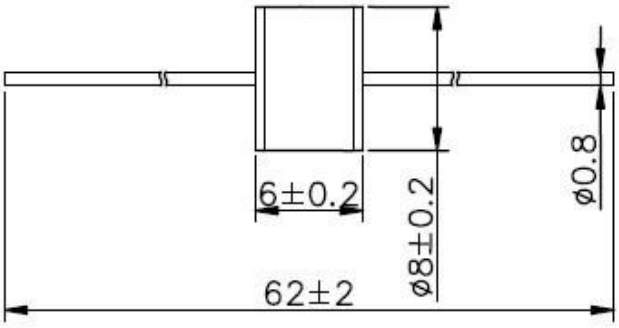
Φ8*6mm

2-Electrode Gas Discharge Tubes

10KA

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: ≤1pF
- •Small size :Φ8x6(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 GΩ	Impulse discharge current 8/20μs 10 Times	Impulse Life 300 hits 10x1000μs	AC discharge current 50Hz,1s 10times	Delivery time days	UL Certificate UL497B
HA2R8-75ML	75V ±20%	≤500V	≤ 600V	>1GΩ	10KA	100A	10A	12days	E505240
HA2R8-90ML	90V ±20%	≤500V	≤ 600V	>1GΩ	10KA	100A	10A	12days	E505240
HA2R8-140ML	140V±20%	≤500V	≤ 600V	>1GΩ	10KA	100A	10A	12days	E505240
HA2R8-150ML	150V±20%	≤500V	≤ 600V	>1GΩ	10KA	100A	10A	12days	E505240
HA2R8-200ML	200V±20%	≤600V	≤ 700V	>1GΩ	10KA	100A	10A	12days	E505240
HA2R8-230ML	230V±20%	≤600V	≤ 700V	>1GΩ	10KA	100A	10A	12days	E505240
HA2R8-250ML	250V±20%	≤600V	≤ 700V	>1GΩ	10KA	100A	10A	12days	E505240
HA2R8-260ML	260V±20%	≤700V	≤ 800V	>1GΩ	10KA	100A	10A	12days	E505240
HA2R8-300ML	300V±20%	≤800V	≤ 900V	>1GΩ	10KA	100A	10A	12days	E505240
HA2R8-350ML	350V±20%	≤900V	≤ 1000V	>1GΩ	10KA	100A	10A	12days	E505240
HA2R8-400ML	400V±20%	≤900V	≤ 1000V	>1GΩ	10KA	100A	10A	12days	E505240
HA2R8-420ML	420V±20%	≤900V	≤ 1000V	>1GΩ	10KA	100A	10A	12days	E505240
HA2R8-470ML	470V±20%	≤1100V	≤ 1200V	>1GΩ	10KA	100A	10A	12days	E505240
HA2R8-500ML	500V±20%	≤1100V	≤ 1200V	>1GΩ	10KA	100A	10A	12days	E505240
HA2R8-550ML	550V±20%	≤1300V	≤ 1400V	>1GΩ	10KA	100A	10A	12days	E505240
HA2R8-600ML	600V±20%	≤1300V	≤1400V	>1GΩ	10KA	100A	10A	12days	E505240

4 Electrical Characteristics Continue

Part Number	DC Spark-over Voltage	Impulse Spark-over Voltage	Insulation Resistance	Impulse discharge current 8/20μs	Capacitance 1MHz	AC discharge current 50Hz,1s	Delivery time	UL Certificate
	@100V/S	@1KV/μs	GΩ	10 Times	pF	10times	days	UL1449
HA2R8-800ML	800V ±20%	≤1400V	>1GΩ	10KA	≤1pF	10A	12days	---
HA2R8-1000ML	1000V±20%	≤ 1700V	>1GΩ	10KA	≤1pF	10A	12days	---

4 Electrical Characteristics Continue

Part Number	DC Holdover Voltage	On-State Voltage	Impulse discharge current 8/20μs	Peak Current @10/350μs	Weight
	Per ITU K.12 (<150ms)	Nominal @ 1A	1time	1time	g
HA2R8-75ML	<52V	20V	12KA	2.5KA	~1.5g
HA2R8-90ML	<52V	20V	12KA	2.5KA	~1.5g
HA2R8-140ML	<80V	20V	12KA	2.5KA	~1.5g
HA2R8-150ML	<80V	20V	12KA	2.5KA	~1.5g
HA2R8-200ML	<135V	20V	12KA	2.5KA	~1.5g
HA2R8-230ML	<135V	20V	12KA	2.5KA	~1.5g
HA2R8-250ML	<135V	20V	12KA	2.5KA	~1.5g
HA2R8-260ML	<135V	20V	12KA	2.5KA	~1.5g
HA2R8-300ML	<150V	20V	12KA	2.5KA	~1.5g
HA2R8-350ML	<150V	20V	12KA	2.5KA	~1.5g
HA2R8-400ML	<150V	20V	12KA	2.5KA	~1.5g
HA2R8-420ML	<150V	20V	12KA	2.5KA	~1.5g
HA2R8-470ML	<150V	20V	12KA	2.5KA	~1.5g
HA2R8-500ML	<150V	20V	12KA	2.5KA	~1.5g
HA2R8-550ML	<150V	20V	12KA	2.5KA	~1.5g
HA2R8-600ML	<150V	20V	12KA	2.5KA	~1.5g
HA2R8-800ML	<150V	20V	12KA	2.5KA	~1.5g
HA2R8-1000ML	<150V	20V	12KA	2.5KA	~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

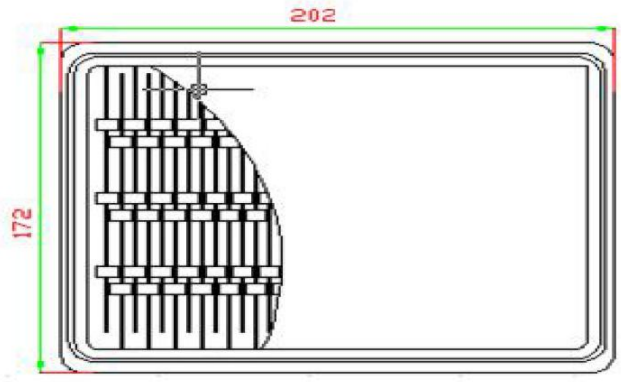
Environmental resistance

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

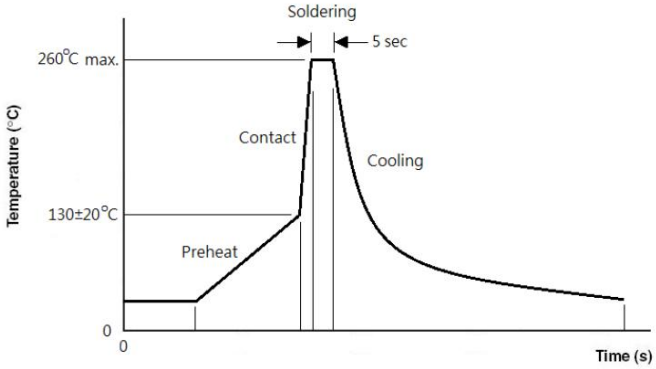
Example Part Number: HA2R8-90ML

HA	=	**HUAAN**
2	=	**2 Electrode device**
R	=	**Gas Discharge Tube**
8	=	**8mm Diameter**
90	=	**90V**
M	=	**Medium Surge 10KA**
L	=	**Axial Lead Wire**

Packaging Information



Reflow Soldering Curve



Packaging Quantity

Part Number	Quantity	
	Per Tray	Per Carton
HA2R8-xxxML Series	**100PCS**	**5000PCS**