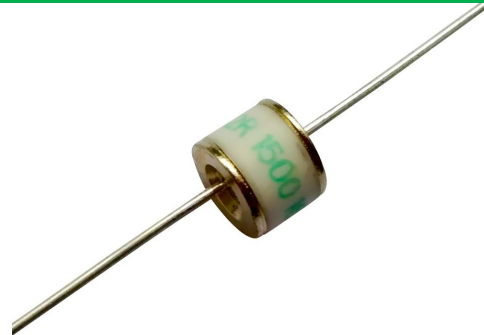
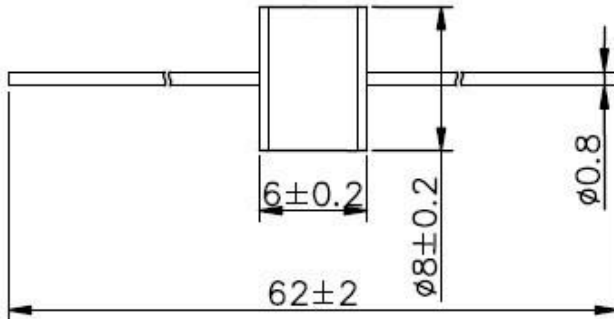


## 2-Electrode Gas Discharge Tubes

5KA



### 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 : Ø8x6(mm)
- Safety certification: File number: E505240

### Electrical Characteristics

Part Number	DC Spark-over Voltage@ 100V/S	Impulse Spark-over Voltage @100V/ $\mu\text{s}$	Impulse Spark-over Voltage @1KV/ $\mu\text{s}$	Insulation Resistance	Impulse discharge current(8/20 $\mu\text{s}$ )	AC discharge current (50Hz, 1s, 10times)	Capacitance (1MHz)	UL Certificate
	V	V	V	G $\Omega$	10 Times	A	PF	UL File number
HA2R8-75L	75 $\pm 20\%$	<450	<550	>1	5KA	5	$\leq 1$	E505240
HA2R8-90L	90 $\pm 20\%$	<450	<550	>1	5KA	5	$\leq 1$	E505240
HA2R8-150L	150 $\pm 20\%$	<500	<600	>1	5KA	5	$\leq 1$	E505240
HA2R8-230L	230 $\pm 20\%$	<600	<700	>1	5KA	5	$\leq 1$	E505240
HA2R8-350L	350 $\pm 20\%$	<900	$\leq 1000$	>1	5KA	5	$\leq 1$	E505240
HA2R8-470L	470 $\pm 20\%$	<1050	$\leq 1150$	>1	5KA	5	$\leq 1$	E505240
HA2R8-600L	600 $\pm 20\%$	<1200	$\leq 1300$	>1	5KA	5	$\leq 1$	E505240
HA2R8-800L	800 $\pm 20\%$	<1300	$\leq 1400$	>1	5KA	5	$\leq 1$	E505240
HA2R8-1000L	1000 $\pm 20\%$	<1400	$\leq 1500$	>1	5KA	5	$\leq 1$	E505240
H2R8-1500L	1500 $\pm 20\%$	<2500	$\leq 2900$	>1	5KA	5	$\leq 1$	E505240
H2R8-2000L	2000 $\pm 20\%$	<2600	$\leq 3000$	>1	5KA	5	$\leq 1$	E505240
H2R8-2500L	2500 $\pm 20\%$	<3200	$\leq 3500$	>1	5KA	5	$\leq 1$	E505240
H2R8-3000L	3000 $\pm 20\%$	<3800	$\leq 4000$	>1	5KA	5	$\leq 1$	E505240
HA2R3600M	3600 $\pm 20\%$	<4500	$\leq 4700$	>1	5KA	5	$\leq 1$	E505240
HA2R8-4000L	4000 $\pm 20\%$	<5300	$\leq 5500$	>1	5KA	5	$\leq 1$	E505240

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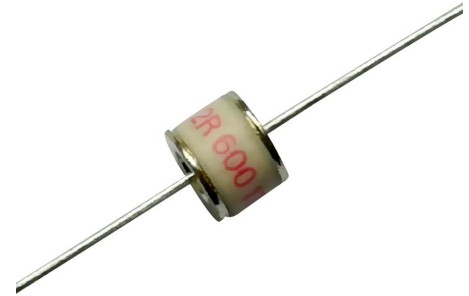
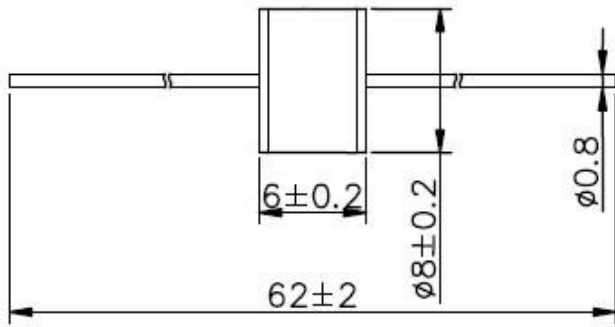
[sales@huaandz.com](mailto:sales@huaandz.com)

## 2-Electrode Gas Discharge Tubes

10KA



### 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 ( $\leq 1$  pF)
- Small size : Ø8x6 (mm)
- **Safety certification:** **File number: E505240**

### Electrical Characteristics

Part Number	DC Spark-over Voltage@ 100V/S	Impulse Spark-over Voltage @100V/ $\mu$ s	Impulse Spark-over Voltage @1KV/ $\mu$ s	Insulation Resistance	Impulse discharge current(8/20 $\mu$ s)	AC discharge current (50Hz, 1s, 10times)	Capacitance (1MHz)	UL Certificate
	V	V	V	G $\Omega$	10 Times	A	PF	UL File number
<a href="#">HA2R8-75ML</a>	75 $\pm$ 20%	<450	<550	>1	10KA	10	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-90ML</a>	90 $\pm$ 20%	<450	<550	>1	10KA	10	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-150ML</a>	150 $\pm$ 20%	<500	<600	>1	10KA	10	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-200ML</a>	200 $\pm$ 20%	<500	<600	>1	10KA	10	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-230ML</a>	230 $\pm$ 20%	<600	<700	>1	10KA	10	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-250ML</a>	250 $\pm$ 20%	<600	<700	>1	10KA	10	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-300ML</a>	300 $\pm$ 20%	<600	<700	>1	10KA	10	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-350ML</a>	350 $\pm$ 20%	<900	$\leq 1000$	>1	10KA	10	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-400ML</a>	400 $\pm$ 20%	<900	$\leq 1000$	>1	10KA	10	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-420ML</a>	420 $\pm$ 20%	<900	$\leq 1000$	>1	10KA	10	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-470ML</a>	470 $\pm$ 20%	<1050	$\leq 1150$	>1	10KA	10	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-600ML</a>	600 $\pm$ 20%	<1200	$\leq 1300$	>1	10KA	10	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-800ML</a>	800 $\pm$ 20%	<1300	$\leq 1400$	>1	10KA	10	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-1000ML</a>	1000 $\pm$ 20%	<1400	$\leq 1500$	>1	10KA	10	$\leq 1$	<a href="#">E505240</a>

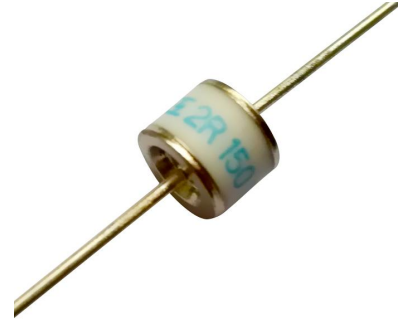
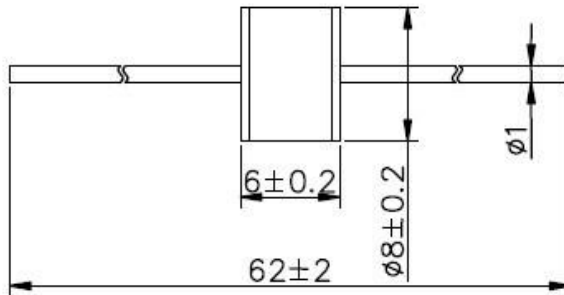
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## 2-Electrode Gas Discharge Tubes

20KA


### 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 :  $\text{Ø}8 \times 6(\text{mm})$
- Safety certification:  File number: E505240

### Electrical Characteristics

Part Number	DC Spark-over Voltage@ 100V/S	Impulse Spark-over Voltage @100V/ $\mu\text{s}$	Impulse Spark-over Voltage @1KV/ $\mu\text{s}$	Insulation Resistance	Impulse discharge current(8/20 $\mu\text{s}$ )	AC discharge current (50Hz, 1s, 10times)	Capacitance (1MHz)	UL Certificate
	V	V	V	G $\Omega$	10 Times	A	PF	UL File number
<a href="#">HA2R8-75HL</a>	75 $\pm 20\%$	<450	<550	>1	20KA	20	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-90HL</a>	90 $\pm 20\%$	<450	<550	>1	20KA	20	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-150HL</a>	150 $\pm 20\%$	<500	<600	>1	20KA	20	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-200HL</a>	200 $\pm 20\%$	<500	<600	>1	20KA	20	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-230HL</a>	230 $\pm 20\%$	<600	<700	>1	20KA	20	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-250HL</a>	250 $\pm 20\%$	<600	<700	>1	20KA	20	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-300HL</a>	300 $\pm 20\%$	<600	<700	>1	20KA	20	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-350HL</a>	350 $\pm 20\%$	<900	$\leq 1000$	>1	20KA	20	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-400HL</a>	400 $\pm 20\%$	<900	$\leq 1000$	>1	20KA	20	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-420HL</a>	420 $\pm 20\%$	<900	$\leq 1000$	>1	20KA	20	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-470HL</a>	470 $\pm 20\%$	<1050	$\leq 1150$	>1	20KA	20	$\leq 1$	<a href="#">E505240</a>
<a href="#">HA2R8-600HL</a>	600 $\pm 20\%$	<1200	$\leq 1300$	>1	20KA	20	$\leq 1$	<a href="#">E505240</a>

Packing Quantity : 100PCS

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