

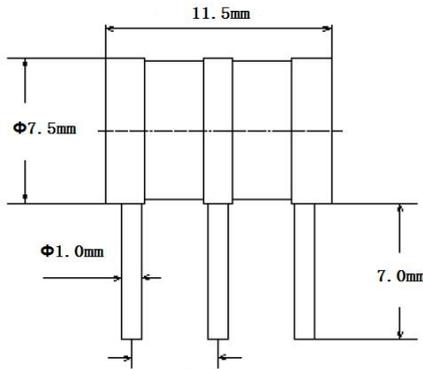
## 3-Electrode Gas Discharge Tubes

10KA

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: ≤1pF
- Small size : Φ7.5x11.5mm
- 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                    | 10 Times                  | 10x1000μs    | 10times              | days          | UL497B         |
| HA3R7-75MT  | 75V ±20%              | ≤500V                      | ≤ 600V                     | >1GΩ                  | 10KA                      | 200A         | 10A                  | 15days        | E505240        |
| HA3R7-90MT  | 90V ±20%              | ≤500V                      | ≤ 600V                     | >1GΩ                  | 10KA                      | 200A         | 10A                  | 15days        | E505240        |
| HA3R7-140MT | 140V±20%              | ≤500V                      | ≤ 600V                     | >1GΩ                  | 10KA                      | 200A         | 10A                  | 15days        | E505240        |
| HA3R7-150MT | 150V±20%              | ≤500V                      | ≤ 600V                     | >1GΩ                  | 10KA                      | 200A         | 10A                  | 15days        | E505240        |
| HA3R7-200MT | 200V±20%              | ≤600V                      | ≤ 700V                     | >1GΩ                  | 10KA                      | 200A         | 10A                  | 15days        | E505240        |
| HA3R7-230MT | 230V±20%              | ≤600V                      | ≤ 700V                     | >1GΩ                  | 10KA                      | 200A         | 10A                  | 15days        | E505240        |
| HA3R7-250MT | 250V±20%              | ≤600V                      | ≤ 700V                     | >1GΩ                  | 10KA                      | 200A         | 10A                  | 15days        | E505240        |
| HA3R7-300MT | 300V±20%              | ≤800V                      | ≤ 900V                     | >1GΩ                  | 10KA                      | 200A         | 10A                  | 15days        | E505240        |
| HA3R7-350MT | 350V±20%              | ≤900V                      | ≤ 1000V                    | >1GΩ                  | 10KA                      | 200A         | 10A                  | 15days        | E505240        |
| HA3R7-400MT | 400V±20%              | ≤900V                      | ≤ 1000V                    | >1GΩ                  | 10KA                      | 200A         | 10A                  | 15days        | E505240        |
| HA3R7-420MT | 420V±20%              | ≤900V                      | ≤ 1000V                    | >1GΩ                  | 10KA                      | 200A         | 10A                  | 15days        | E505240        |
| HA3R7-470MT | 470V±20%              | ≤1100V                     | ≤ 1200V                    | >1GΩ                  | 10KA                      | 200A         | 10A                  | 15days        | E505240        |
| HA3R7-500MT | 500V±20%              | ≤1100V                     | ≤ 1200V                    | >1GΩ                  | 10KA                      | 200A         | 10A                  | 15days        | E505240        |
| HA3R7-550MT | 550V±20%              | ≤1300V                     | ≤ 1400V                    | >1GΩ                  | 10KA                      | 200A         | 10A                  | 15days        | E505240        |
| HA3R7-600MT | 600V±20%              | ≤1300V                     | ≤1400V                     | >1GΩ                  | 10KA                      | 200A         | 10A                  | 15days        | E505240        |
| HA3R7-800MT | 800V±20%              | ≤1500V                     | ≤1600V                     | >1GΩ                  | 10KA                      | 200A         | 10A                  | 15days        | E505240        |

## 3-Electrode Gas Discharge Tubes

10KA

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

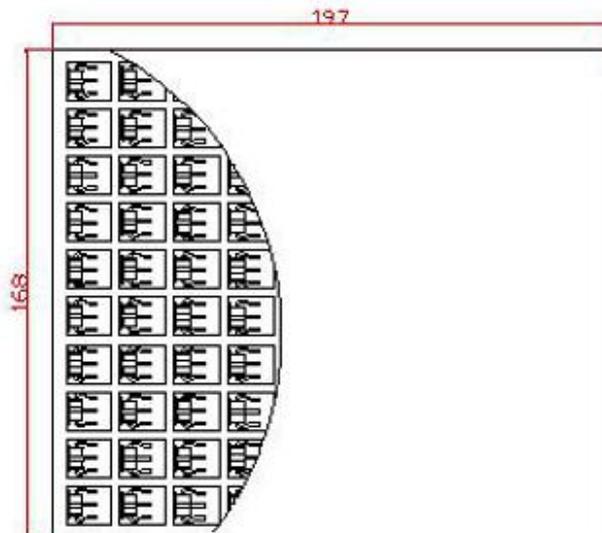
### Environmental resistance

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

### Example Part Number: HA3R7-90MT

|    |   |                    |
|----|---|--------------------|
| HA | = | HUAAN              |
| 3  | = | 3 Electrode device |
| R  | = | Gas Discharge Tube |
| 7  | = | 7.5mm Diameter     |
| 90 | = | 90V                |
| M  | = | Medium Surge 10KA  |
| T  | = | 3 Radial Lead Wire |

### Packaging Information



### Packaging Quantity

| Part Number        | Quantity |            |
|--------------------|----------|------------|
|                    | Per Tray | Per Carton |
| HA3R7-xxxMT Series | 100PCS   | 5000PCS    |