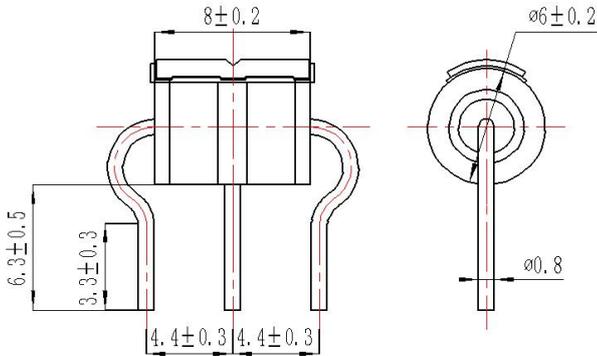


## 3-Electrode Gas Discharge Tubes

10KA

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 : Φ6x8(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 8/20μs | Impulse Life 300 hits | AC discharge current 50Hz, 1s | Delivery time | UL Certificate |
|-------------|-----------------------|----------------------------|----------------------------|-----------------------|----------------------------------|-----------------------|-------------------------------|---------------|----------------|
|             | @100V/S               | @100V/μs                   | @1KV/μs                    |                       |                                  |                       |                               |               |                |
| HA3R6-75F   | 75V ±20%              | ≤500V                      | ≤ 600V                     | >1GΩ                  | 10KA                             | 200A                  | 10A                           | 15days        | E505240        |
| HA3R6-90F   | 90V ±20%              | ≤500V                      | ≤ 600V                     | >1GΩ                  | 10KA                             | 200A                  | 10A                           | 15days        | E505240        |
| HA3R6-140F  | 140V±20%              | ≤500V                      | ≤ 600V                     | >1GΩ                  | 10KA                             | 200A                  | 10A                           | 15days        | E505240        |
| HA3R6-150F  | 150V±20%              | ≤500V                      | ≤ 600V                     | >1GΩ                  | 10KA                             | 200A                  | 10A                           | 15days        | E505240        |
| HA3R6-200F  | 200V±20%              | ≤600V                      | ≤ 700V                     | >1GΩ                  | 10KA                             | 200A                  | 10A                           | 15days        | E505240        |
| HA3R6-230F  | 230V±20%              | ≤600V                      | ≤ 700V                     | >1GΩ                  | 10KA                             | 200A                  | 10A                           | 15days        | E505240        |
| HA3R6-250F  | 250V±20%              | ≤600V                      | ≤ 700V                     | >1GΩ                  | 10KA                             | 200A                  | 10A                           | 15days        | E505240        |
| HA3R6-300F  | 300V±20%              | ≤800V                      | ≤ 900V                     | >1GΩ                  | 10KA                             | 200A                  | 10A                           | 15days        | E505240        |
| HA3R6-350F  | 350V±20%              | ≤900V                      | ≤ 1000V                    | >1GΩ                  | 10KA                             | 200A                  | 10A                           | 15days        | E505240        |
| HA3R6-400F  | 400V±20%              | ≤900V                      | ≤ 1000V                    | >1GΩ                  | 10KA                             | 200A                  | 10A                           | 15days        | E505240        |
| HA3R6-420F  | 420V±20%              | ≤900V                      | ≤ 1000V                    | >1GΩ                  | 10KA                             | 200A                  | 10A                           | 15days        | E505240        |
| HA3R6-470F  | 470V±20%              | ≤1100V                     | ≤ 1200V                    | >1GΩ                  | 10KA                             | 200A                  | 10A                           | 15days        | E505240        |
| HA3R6-500F  | 500V±20%              | ≤1100V                     | ≤ 1200V                    | >1GΩ                  | 10KA                             | 200A                  | 10A                           | 15days        | E505240        |
| HA3R6-550F  | 550V±20%              | ≤1300V                     | ≤ 1400V                    | >1GΩ                  | 10KA                             | 200A                  | 10A                           | 15days        | E505240        |
| HA3R6-600F  | 600V±20%              | ≤1300V                     | ≤1400V                     | >1GΩ                  | 10KA                             | 200A                  | 10A                           | 15days        | E505240        |
| HA3R6-800F  | 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

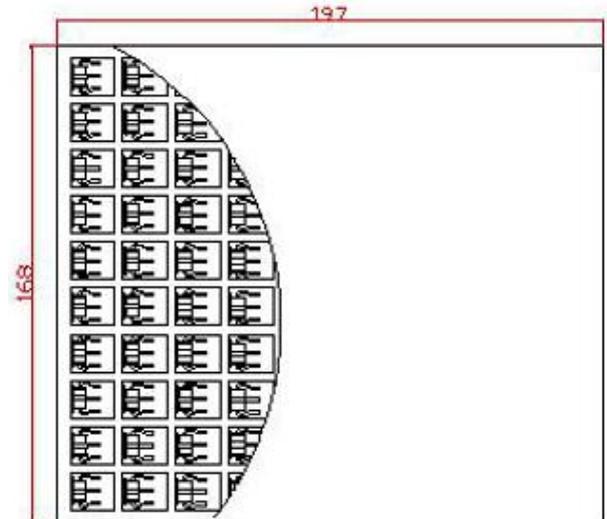
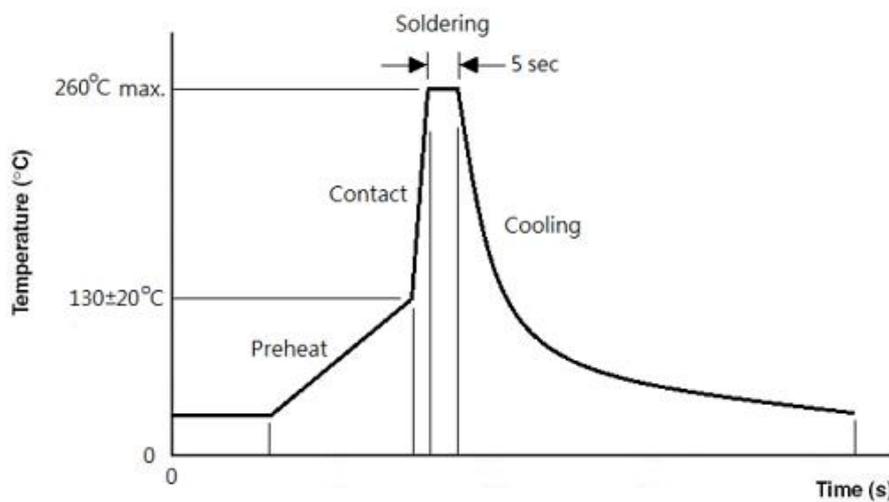
|                               |               |
|-------------------------------|---------------|
| <b>Storage temperature:</b>   | -40°C---+90°C |
| <b>Operating temperature:</b> | -40°C---+90°C |
| <b>Electrode:</b>             | Tin Plated    |

### Example Part Number: HA3R6-90F

|           |   |                                  |
|-----------|---|----------------------------------|
| <b>HA</b> | = | <b>HUAAN</b>                     |
| <b>3</b>  | = | <b>3 Electrode device</b>        |
| <b>R</b>  | = | <b>Gas Discharge Tube</b>        |
| <b>6</b>  | = | <b>6mm Diameter</b>              |
| <b>90</b> | = | <b>90V</b>                       |
| <b>F</b>  | = | <b>With Fail-Short mechanism</b> |

### Reflow Soldering Curve

### Packaging Information



### Packaging Quantity

| Part Number              | Quantity      |                |
|--------------------------|---------------|----------------|
|                          | Per Tray      | Per Carton     |
| <b>HA3R6-xxxF Series</b> | <b>100PCS</b> | <b>5000PCS</b> |