

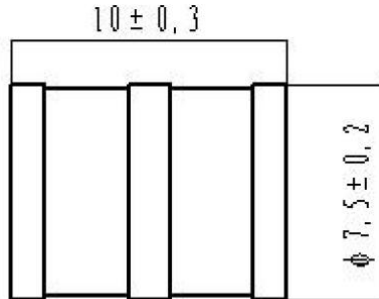
## 3-Electrode Gas Discharge Tubes

20KA

No 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 : Φ7.5x10(mm)
- Safety certification: File nuHBer: 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
HA3R7-75HB	75V ±20%	≤500V	≤ 600V	>1GΩ	20KA	300A	20A	15days	E505240
HA3R7-90HB	90V ±20%	≤500V	≤ 600V	>1GΩ	20KA	300A	20A	15days	E505240
HA3R7-140HB	140V±20%	≤500V	≤ 600V	>1GΩ	20KA	300A	20A	15days	E505240
HA3R7-150HB	150V±20%	≤500V	≤ 600V	>1GΩ	20KA	300A	20A	15days	E505240
HA3R7-200HB	200V±20%	≤600V	≤ 700V	>1GΩ	20KA	300A	20A	15days	E505240
HA3R7-230HB	230V±20%	≤600V	≤ 700V	>1GΩ	20KA	300A	20A	15days	E505240
HA3R7-250HB	250V±20%	≤600V	≤ 700V	>1GΩ	20KA	300A	20A	15days	E505240
HA3R7-300HB	300V±20%	≤800V	≤ 900V	>1GΩ	20KA	300A	20A	15days	E505240
HA3R7-350HB	350V±20%	≤900V	≤ 1000V	>1GΩ	20KA	300A	20A	15days	E505240
HA3R7-400HB	400V±20%	≤900V	≤ 1000V	>1GΩ	20KA	300A	20A	15days	E505240
HA3R7-420HB	420V±20%	≤900V	≤ 1000V	>1GΩ	20KA	300A	20A	15days	E505240
HA3R7-470HB	470V±20%	≤1100V	≤ 1200V	>1GΩ	20KA	300A	20A	15days	E505240
HA3R7-500HB	500V±20%	≤1100V	≤ 1200V	>1GΩ	20KA	300A	20A	15days	E505240
HA3R7-550HB	550V±20%	≤1300V	≤ 1400V	>1GΩ	20KA	300A	20A	15days	E505240
HA3R7-600HB	600V±20%	≤1300V	≤1400V	>1GΩ	20KA	300A	20A	15days	E505240
HA3R7-800HB	800V±20%	≤1500V	≤1600V	>1GΩ	20KA	300A	20A	15days	E505240

## 3-Electrode Gas Discharge Tubes

20KA

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

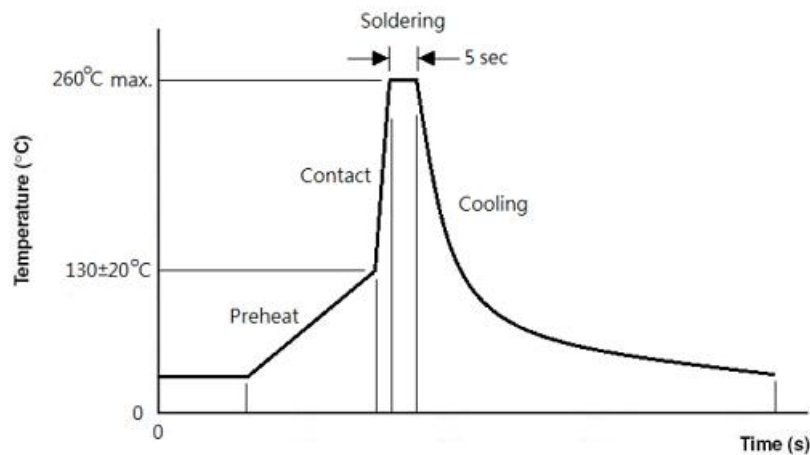
### Environmental resistance

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

### Example Part NuHBer: HA3R7-90HB

HA	=	HUAAN
3	=	3 Electrode device
R	=	Gas Discharge Tube
7	=	7.5mm Diameter
90	=	90V
H	=	High Surge 20KA GDT
B	=	No Lead Wire

### Reflow Soldering Curve



### Packaging Quantity

Part NuHBer	Quantity	
	Per Reel	Per Carton
HA3R7-xxxHB Series	500PCS	4000PCS