

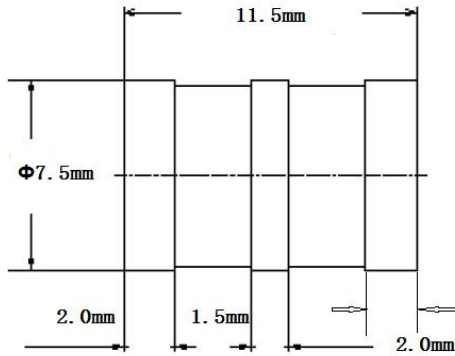
3-Electrode Gas Discharge Tubes

10KA

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

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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

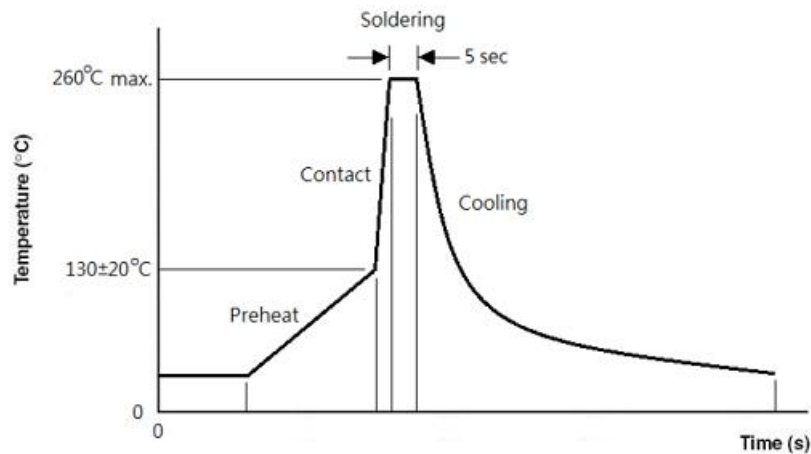
Environmental resistance

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

Example Part Number: HA3R7-90SMD

HA	=	HUAAN
3	=	3 Electrode device
R	=	Gas Discharge Tube
7	=	7.5mm Diameter
90	=	90V
SMD	=	Surface-mount

Reflow Soldering Curve



Packaging Quantity

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