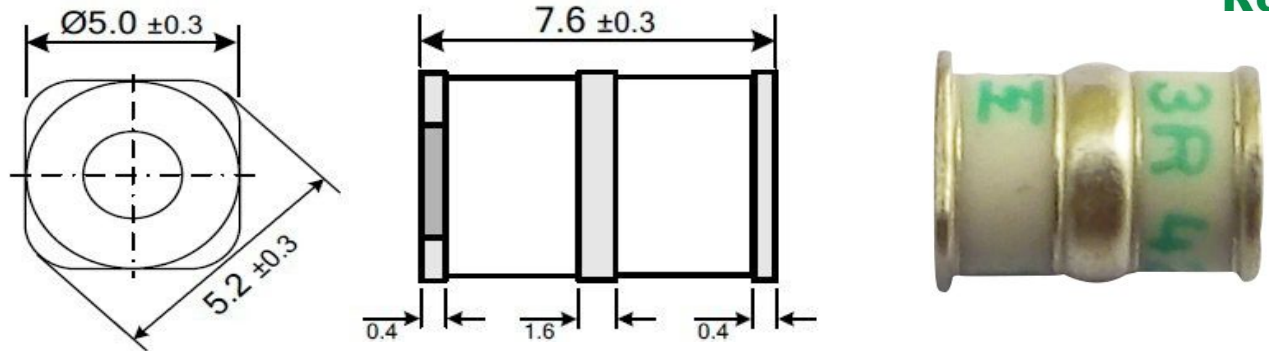




1: Dimension(mm)

Fast Delivery Time



2: Main Applications

- PCI Cards protection
- Telephone/Fax/Modem protection
- single line protection
- ADSL/XDSL Splitter,Power Supply
- Surge Protection Device/Surge Protector

- 100% Lead-Free(RoHS Compliant)
- Non-Radioactive
- Low capacitance (≤1pF)
- Fast Response-time,High Insulation Resistance.
- Small size :Ø5x7.6(mm)

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	Impulse discharge current(8 /20μs)	AC discharge current (50Hz,1s,10ti mes)	Capacitance (1MHz)
	V	V	V	GΩ	10 Times	A	PF
HA3R75S	75±20%	<500	<600	>1	5KA	5	≤1
HA3R90S	90±20%	<500	<600	>1	5KA	5	≤1
HA3R150S	150±20%	<500	<600	>1	5KA	5	≤1
HA3R230S	230±20%	<600	<700	>1	5KA	5	≤1
HA3R250S	250±20%	<600	<700	>1	5KA	5	≤1
HA3R300S	300±20%	<800	≤ 900	>1	5KA	5	≤1
HA3R350S	350±20%	<900	≤ 1000	>1	5KA	5	≤1
HA3R400S	400±20%	<900	≤ 1000	>1	5KA	5	≤1
HA3R420S	420±20%	<900	≤ 1000	>1	5KA	5	≤1
HA3R470S	470±20%	<1100	≤ 1200	>1	5KA	5	≤1
HA3R600S	600±20%	<1200	≤ 1300	>1	5KA	5	≤1
HA3R800S	800±20%	<1300	≤ 1400	>1	5KA	5	≤1

Packing Quantity : 100PCS

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Cross Reference List (Ø5x7.6mm)

HUAAN Gas Discharge Tube Part Number	Cross Reference		
	Littelfuse Gas Discharge Tube Part Number	Bourns Gas Discharge Tube Part Number	TDK EPCOS Surge Arrester Part Number
HA3R75S			
HA3R90S	SL1010A090SM F		T90-A90XSMD B88069X2331T902 T90-A90XFSMD B88069X4051T902
HA3R150S		2038-15-SM -RPLF	
HA3R230S	SL1010A230SM F	2038-23-SM -RPLF	T90-A230XSMD B88069X6680T902 T90-A230XFSMD B88069X6690T902
HA3R250S			
HA3R300S		2038-30-SM -RPLF	
HA3R350S	SL1010A350SM F	2038-35-SM -RPLF	T90-A350XSMD B88069X4030T902
HA3R400S			
HA3R420S		2038-42-SM -RPLF	T90-A420XSMD B88069X7041T902
HA3R470S	SL1010A470SM F	2038-47-SM -RPLF	
HA3R600S		2038-60-SM -RPLF	

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We do not ensure characteristics of HUAAN products just same as products of Littelfuse or bourns or TDK / EPCOS.