

WHGT090V1P0A

Product Datasheet

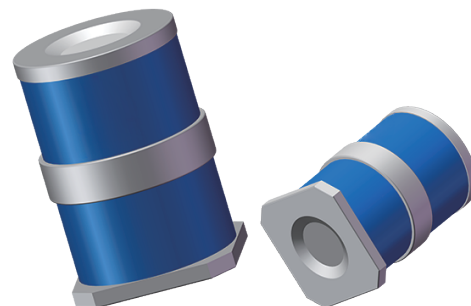
Size:φ 5.0x7.6 mm

Voltage:75~800V

Maximum Impulse Discharge Current(8/20 μ s): 5,2.5,1.5(KA)

Normal Alternating Discharge Current: 5 、 2.5 、 2(A)

General application:



For Telecom

Condition	Products
CPE-Side Tip-Ring Signal Wire	Splitter
CO-Side Tip-Ring Signal Wire	XDSL 、 Splitter
Wireless	Antenna
General	(ITU-T)Other In Customer

For Power System

Condition	Products
Out-Side Power Line	Solar Power Plate 、 HID-Lights 、 LED-Lights
Other	Projector

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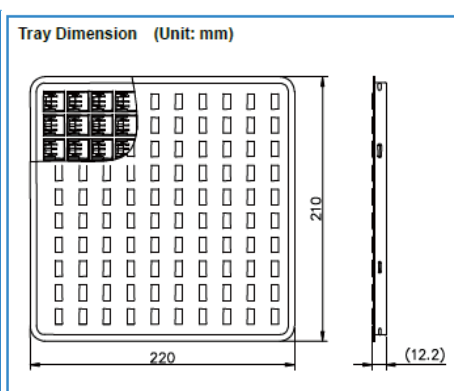
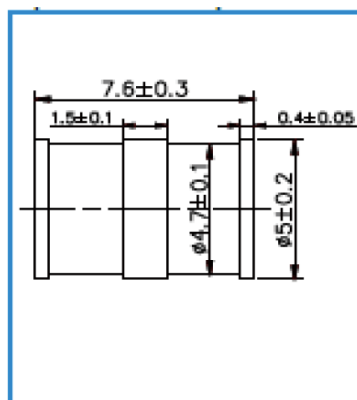
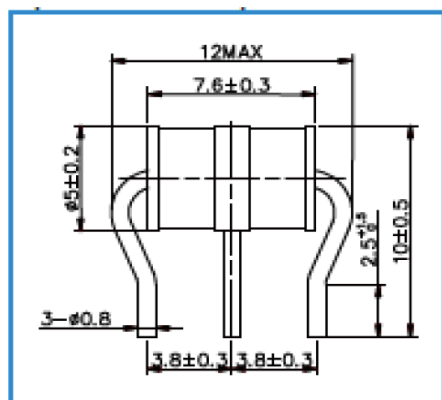
Size:φ 5.0x7.6 mm

Model Name	DC spark over Voltage (V)	Maximum Impulse Breakdown Voltage(V)	Maximum Impuse Discharge Curent (8/20 μs) (kA)	Impulse Life (10/1000JS) (100A)	AC discharge Current (A)	Minimum Insulaton Resistance		Maximum Capacitance (pF)
	100V/S	1KV/μs	10 times	times	50Hz, 1S	Test Voltage DC(V)	(GΩ)	1MHz
WHGT090V 1P0A	90±20%	600	5	300	5	100	1	1

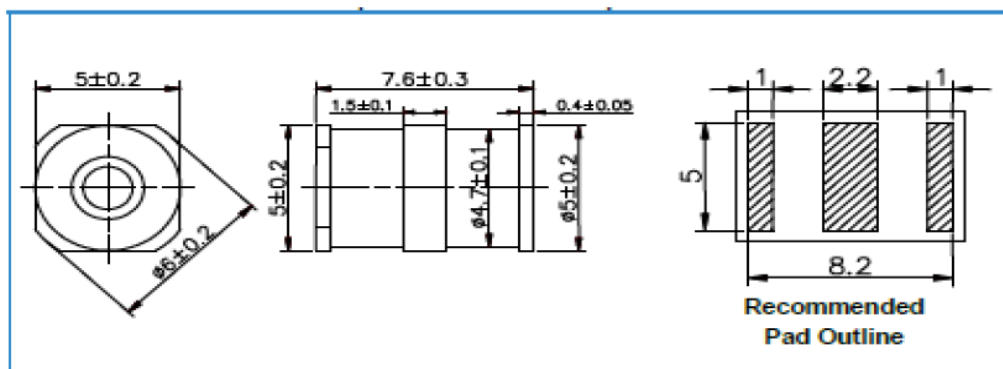
- Opertion and storge temperature -40~125C
- Climatic category (IEC60068-1) 40/125/21
- Blue Marking 3R-230
- Weight ~1g

Outline Drawing

DIP



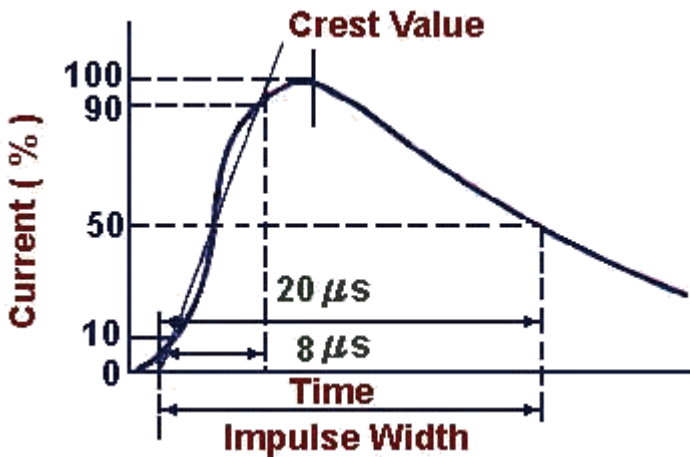
SMD



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Electrical Rating

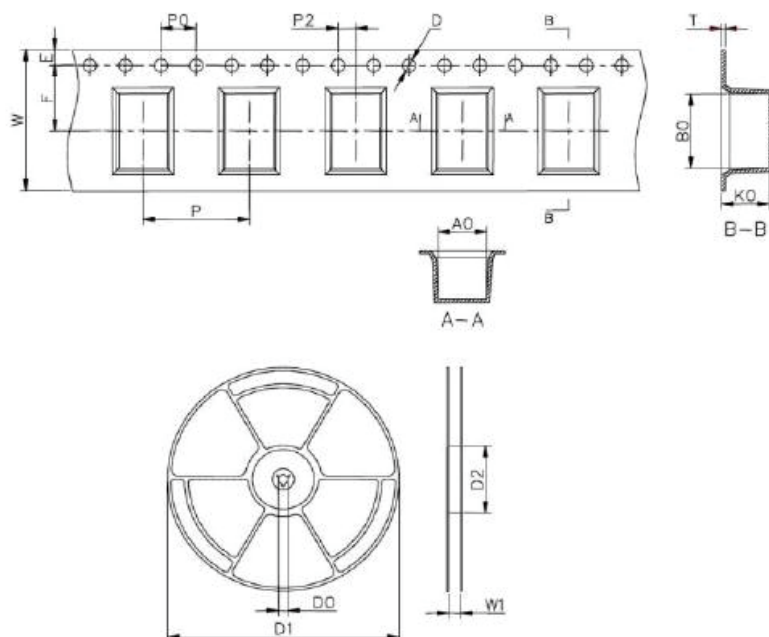
Item	Test Condition / Description	Requirement
DC Breakdown Voltage	The voltage is measured with a low rate of rise $dv/dt \approx 100 \text{ v/s}$	To meet the specified value
Maximum Impulse Breakdown Voltage	The maximum impulse breakdown voltage is measured with a rise time of $dv/dt \approx 1000 \text{ v}/\mu\text{s}$	
Maximum Impulse Discharge Current	The maximum current within gas tube voltage change of $\pm 20\%$ when one impulse is applied. Applied waveform : $8/20 \mu\text{sec}$ 	
DC Holdover Voltage	The maximum DC voltage across the two terminals of gas tube under which it may be expected to return to the high impedance state after the gas tube breakdown.	
Insulation Resistance	The resistance of gas tube shall be measured each terminal to each other terminal. Applied voltage: gas tube dc breakdown voltage under 150V, the test voltage is 50V dc; with all other types at 100V dc.	
Capacitance	The capacitance of gas tube shall be measured each terminal to each other terminal. Test frequency : 1 KHZ In measurements involving 3-electrode gas tubes ,the terminal not being tested shall be connected to a ground plane.	

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PACKING

1000PCS/Reel



Symbol	Millimeters	Inches
W	16±0.3	0.630±0.012
A0	5.4±0.1	0.213±0.004
B0	8.4±0.1	0.331±0.004
K0	5.3±0.1	0.209±0.004
P	8±0.1	0.315±0.004
F	7.5±0.1	0.295±0.004
E	1.75±0.1	0.069±0.004
D	1.5+0.1/-0.0	0.059+0.004/-0.0
P0	4±0.1	0.157±0.004
P2	2±0.1	0.079±0.004
T	0.4±0.1	0.016±0.004
D0	13.3±0.15	0.524±0.006
D1	330±2	12.992±0.079
D2	100+1/-2	3.937+0.039/-0.079
W1	16.5±0.4	0.65±0.016

Recommended solder profile

