

90V Ceramic Gas Discharge Tubes

1. Features

- FeatureNon-Radioactive
- ROHS Compliant
- LOW Capacitance
- Extremely small size
- SMD Device
- High insulation resistance
- Fast response-time

2. Applications

- PON protection
- PCI Cards protection
- Telephone/Fax/modem protection
- Date/Single line protection
- Consumer electronic
- XDSL Splitter
- Electrostatic charge elimination

3. Product characteristics

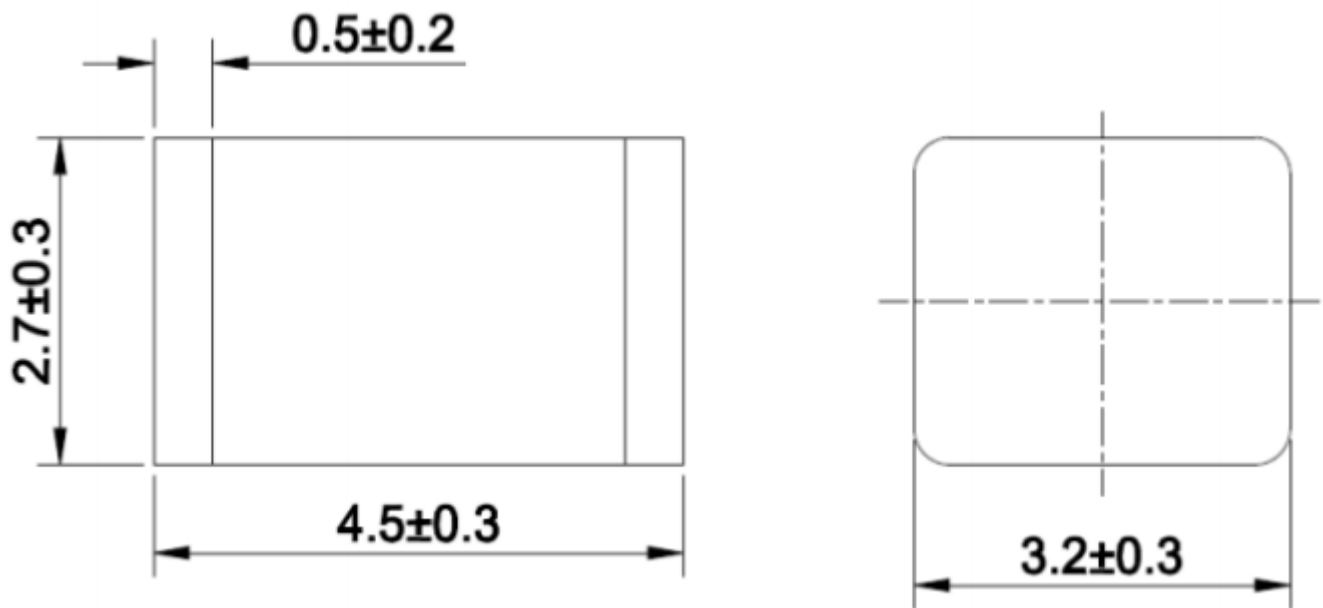
Part Number	Physical dimensions	Packing	Quantity per reel	Reel Size
BC091N-H(ES)	4.5mm*3.2mm*2.7mm	Tape	2500 PCS	13 inches

Table-1 Ordering information

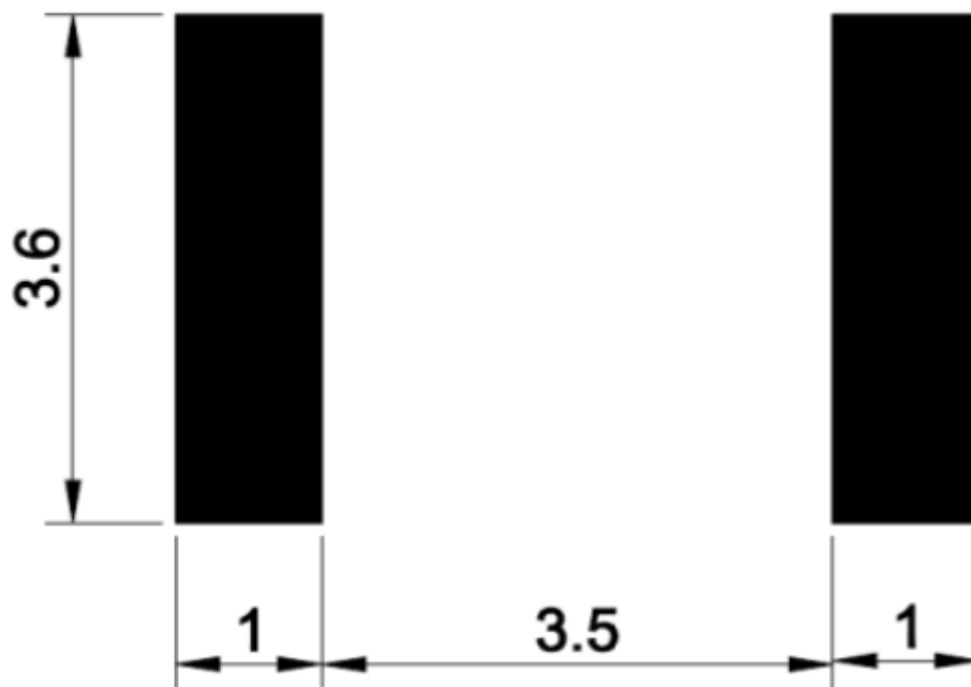
4. Electrical Characteristics

Part number	DC spark-over Voltage	Impulse spark-over Voltage	Nominal Impulse Discharge current		Electrode Capacitance	Insulation resistance	DC Holdover voltage
	100V/s	1 KV/ μ s	8/20 μ s	10/700 μ s	1MHz		
BC091N-H(ES)	90V \pm 30%	<600V	2KA	4.0KV	<1.0pF	>100M Ω	50V

5. Mechanical Dimension



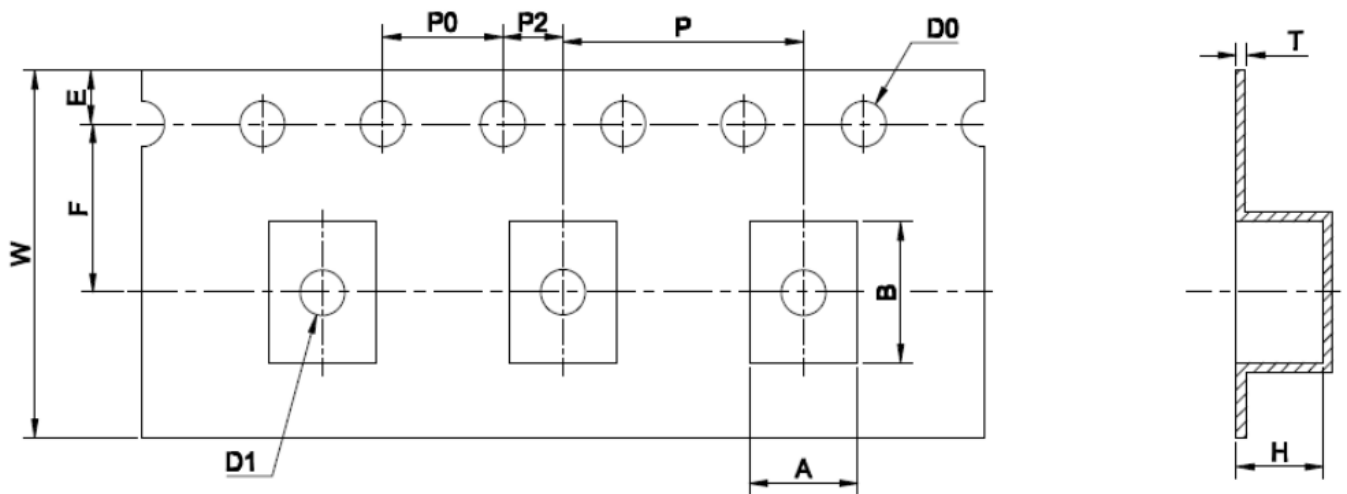
6. Recommended Land Pattern(unit:mm)



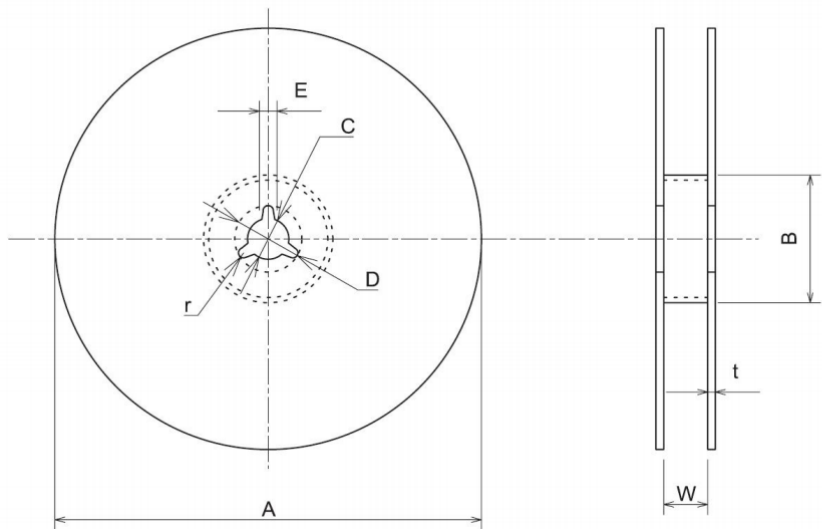
BC091N-H(ES)

Rev-1.2

7. Packaging(unit:mm)



A	B	W	E	F	P	P ₂
3.6±0.1	4.6±0.1	12±0.2	1.75±0.1	5.50±0.05	8.0±0.1	2.0±0.05
P ₀	D ₀	D ₁	T	H		
4.0±0.1	Φ1.5±0.1	Φ1.5±0.1	0.30±0.05	2.9±0.1		



A	330±2
B	80±0.5
C	13±0.5
D	21±0.8
E	2.0±0.05
W	13.5 ^{+1.5} _{-0.5}
t	1.6±0.5
r	1

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