

## 90V Ceramic Gas Discharge Tubes

### 1. Features

- Feature Non-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

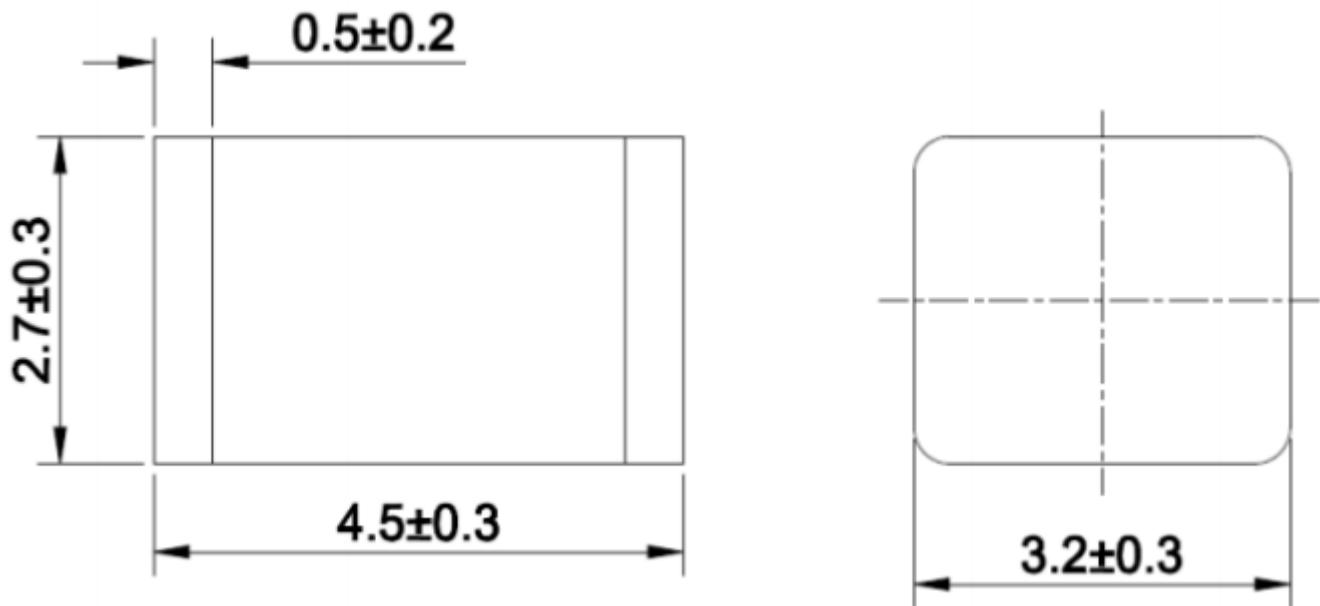
Part Number	Physical dimensions	Packing	Quantity per reel	Reel Size
BTC900N(ES)	4.5mm*3.2mm*2.7mm	Tape	2500 PCS	13 inches

Table-1 Ordering information

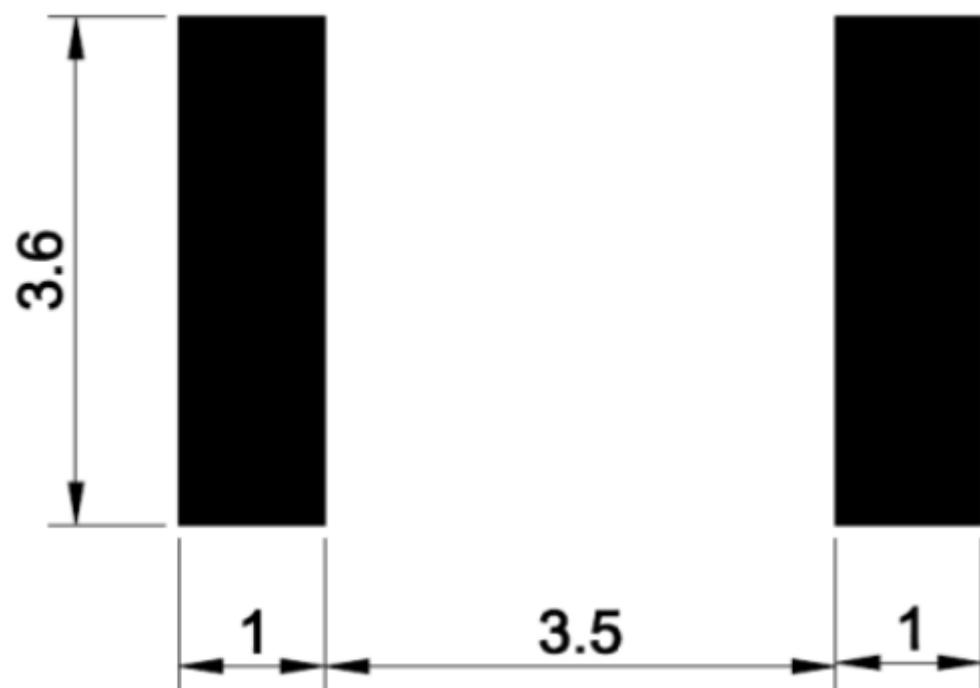
### 4. Electrical Characteristics

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/μs	8/20 μs	10/700μs	1MHz		
BTC900N(ES)	90V ±30%	<600V	2KA	4.0KV	<1.0pF	>100MΩ	50V

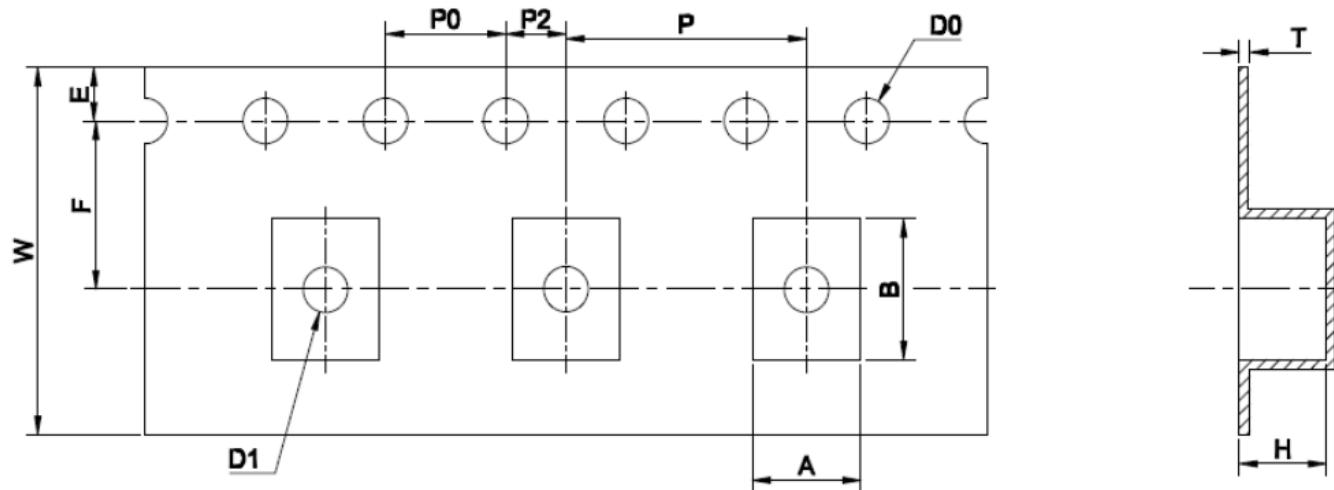
## 5. Mechanical Dimension



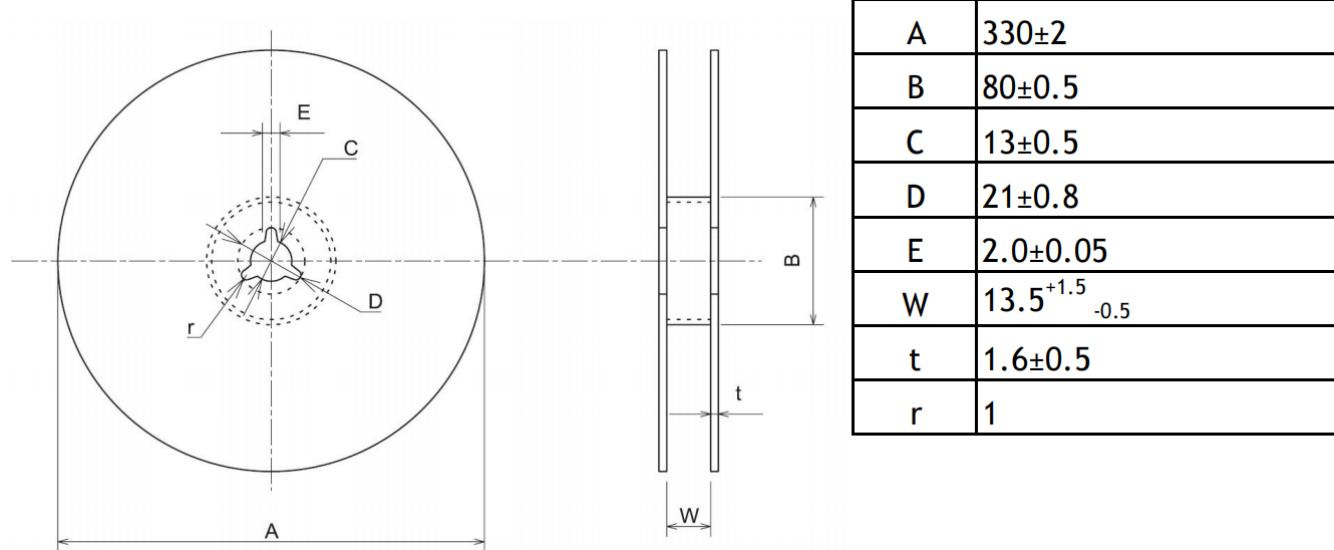
## 6. Recommended Land Pattern(unit:mm)



## 7. Packaging(unit:mm)



A	B	W	E	F	P	P <sub>2</sub>
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 <sub>0</sub>	D <sub>0</sub>	D <sub>1</sub>	T	H		
4.0±0.1	Φ1.5±0.1	Φ1.5±0.1	0.30±0.05	2.9±0.1		



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