

## 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
- Data/Single line protection
- Consumer electronic
- XDSL Splitter
- Electrostatic charge elimination

### 3. Product characteristics

Part Number	Physical dimensions	Packing	Quantity per reel	Reel Size
SE60-90X(ES)	6.8mm*3.5mm*2.5mm	Tape	2000 PCS	13 inches

Table-1 Ordering information

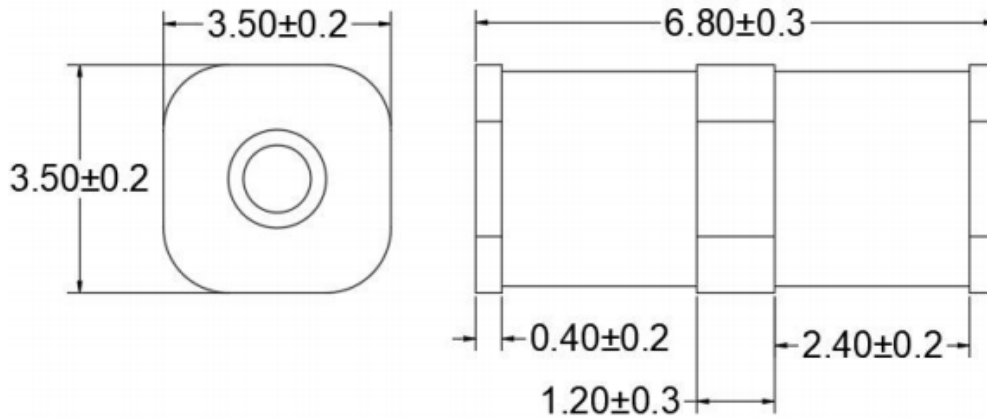
### 4. Electrical Characteristics

Part number	DC spark-over Voltage	Impulse spark-over Voltage	Impulse Discharge current		AC discharge current 50Hz	Electrode Capacitance	Insulation resistance	DC Holdover voltage
	100V/S	1 KV/ $\mu$ s	8/20 $\mu$ s $\pm$ 5 times	10/1000 $\mu$ s 5A	1S,5 times	1MHz		
SE60-90X(ES)	90V $\pm$ 20%	<650V	3KA	100 times	2A	<1pF	>1G $\Omega$	

Notes:

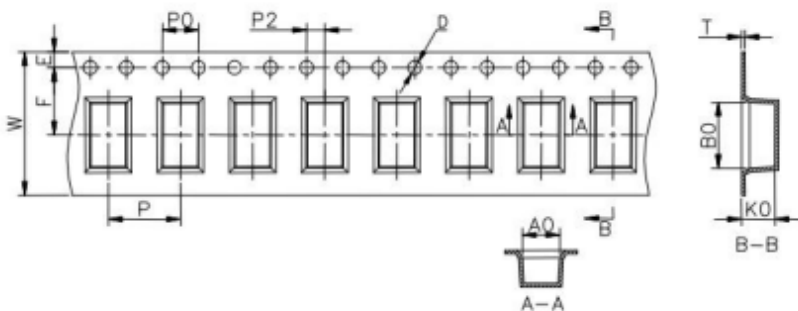
- 1、 Insulation resistance measure at:  
DC 50V for the SE60-90X(ES) DC 100V for other.
- 2、 Terms in accordance with ITU-T K. 12 and GB/T 9043-2008
- 3、 At delivery AQL 0.65 level II DIN ISO 2859

**5. Dimension**

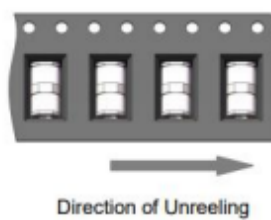
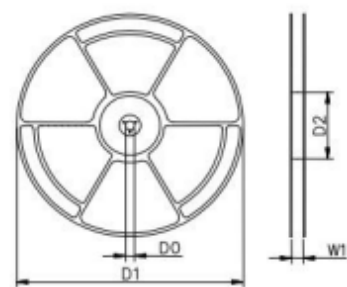


Dimensions in mm.

**6. Braidtype**



Symbol	Millimeters	Inches
<b>W</b>	16±0.3	0.630±0.012
<b>A0</b>	3.8±0.1	0.154±0.004
<b>B0</b>	7.0±0.1	0.276±0.004
<b>K0</b>	3.7±0.1	0.146±0.004
<b>P</b>	8±0.1	0.315±0.004
<b>F</b>	7.5±0.1	0.295±0.004
<b>E</b>	1.75±0.1	0.069±0.004
<b>D</b>	1.5+0.1/-0.0	0.059+0.004/-0.0
<b>P0</b>	4±0.1	0.157±0.004
<b>P2</b>	2±0.1	0.079±0.004
<b>T</b>	0.4±0.1	0.016±0.004
<b>D0</b>	13.3±0.15	0.524±0.006
<b>D1</b>	330±2	12.992±0.079
<b>D2</b>	100+1/-2	3.937+0.039/-0.079
<b>W1</b>	16.5±0.4	0.65±0.016



**Packaging Quantity:**

2,000 PCS per reel (13")  
 3 reels per inner box  
 6,000 PCS per inner box

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