

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
B3Q090(ES)	6.8mm*3.5mm*2.5mm	Tape	2000 PCS	13 inches

Table-1 Ordering information

4. Electrical Characteristics

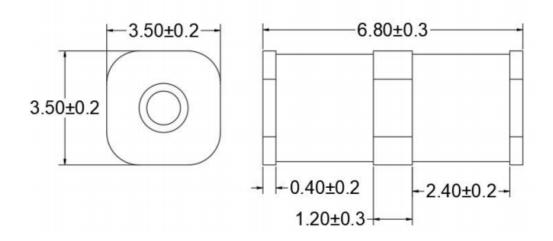
Part number	DC spark- over Voltage	Impulse spark-over Voltage	· ·	Discharge rent	AC discharge current 50Hz			Holdover	
	100V/S	1 KV/μs	8/20 µs ± 5 times	10/1000µs 5A	1S,5 times	1MHz	resistance	voltage	
B3Q090(ES)	90V ±20%	<650V	3KA	100 times	2A	<1pF	>1GΩ		

Notes:

- 1. Insulation resistance measure at:
 - DC 50V for the B3Q090(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

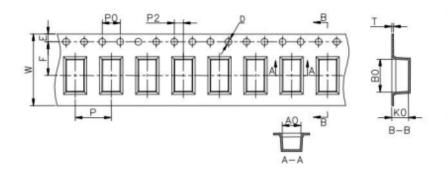
<u>ElecSuper</u>

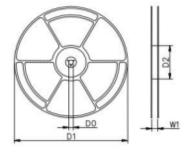
5. Dimension

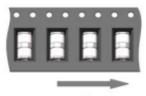


Dimensions in mm.

6. Braidtype







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Packaging Quantity:

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

Symbol	Millimeters	Inches
w	16±0.3	0.630±0.012
A0	3.8±0.1	0.154±0.004
В0	7.0±0.1	0.276±0.004
KO	3.7±0.1	0.146±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
Т	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



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