



Package

### **GDT Protection Component**

- FeatureNon-Radioactive
- ROHS Compliant
- SMD Device

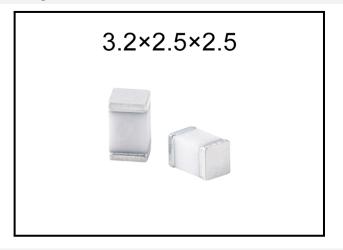
**Features** 

- LOW Capacitance
- High insulation resistance
- · Fast response-time
- · Extremely small size

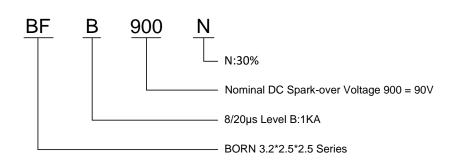
#### Applications

- · PCI Cards protection
- PON protection
- Telephone/Fax/modem protection
- Date/Single line protection
- XDSL Splitter

### Part Numbering



- Electrostatic charge elimination
- Consumer electronic



#### **Ordering information**

Order code	Package	Base qty	Delivery mode
BFBxxxN	3.2*2.5*2.5	-	Tape and Reel

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**GDT Protection Component** 

Absolute Maximum Ratings (T<sub>A</sub>=+25°C, unless otherwise noted)

Part Number	DC Sparkover Voltage	Maximum Impulse Spark-over Voltage		Max. Capaci- tance	Impulse withstanding Voltage Capacity	Nominal Impulse Discharge Current	
	100V/S	1KV/us		Test DC	1MHZ	10/1000us	8/20us
			(GΩ) Voltage		5A	±5times	
	(V)	(V)		(V)	(pF)	(times)	(KA)
BFB750N	75±30%	<600	>1	52	<0.8	100	1
BFB900N	90±30%	<600	>1	52	<0.8	100	1
BFB151N	150±30%	<700	>1	80	<0.8	100	1
BFB201N	200±30%	<700	>1	135	<0.8	100	1
BFB231N	230±30%	<700	>1	135	<0.8	100	1
BFB251N	250±30%	<700	>1	135	<0.8	100	1
BFB351N	350±30%	<800	>1	150	<0.8	100	1
BFB421N	420±30%	<900	>1	150	<0.8	100	1

### **Electrical Parameters**

Items	Test Condition/Description	Requirement	
DC Spark-over	The voltage is measured with voltage ramp dv/dt=100V/s.		
Voltage	The voltage is measured with voltage famp dv/dt=1000/3.	To meet the specified value	
Maximum Impulse	The maximum impulse spark-over voltage is measured with voltage ramp		
Spark-over Voltage	dv/dt=1000V/us.		
Insulation	The resistance of gas tube shall be measured between two electrodes.		
Resistance	The resistance of gas tube shall be measured between two electrodes.		
Capacitance	The capacitance of gas tube shall be measured between two electrodes.		
	Test frequency: 1MHz		
Nominal	minal The maximum current applying a waveform of 8/20µs that can be applied		
Impulse	mpulse across the terminals of the gas tube. One hour after the test is completed,		
Discharge	scharge retesting of the DC spark-over voltage does not exceed ±40% of the		
Current	nominal DC spark-over voltage. Dwell time between pulses is 3 minutes.		

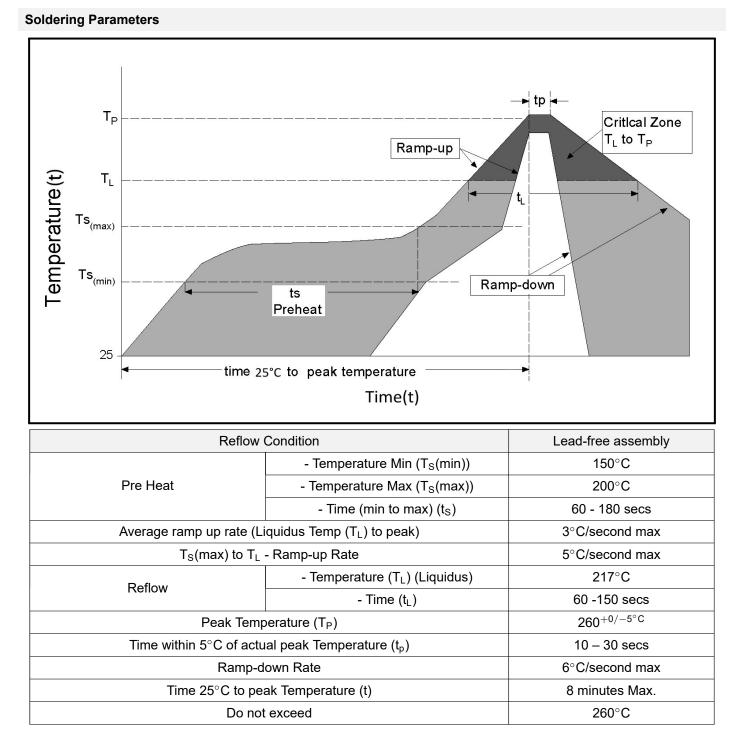
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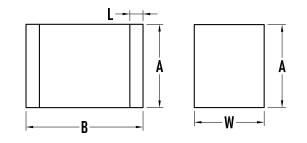






**GDT Protection Component** 

### Outline Drawing - 3.2\*2.5\*2.5



Dim.	Millimeters			
Dini.	MIN.	NOW.	MAX.	
А	2.3	2.5	2.7	
В	3.0	3.2	3.4	
W	2.2	2.5	2.8	
L	0.4	0.5	0.6	

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