

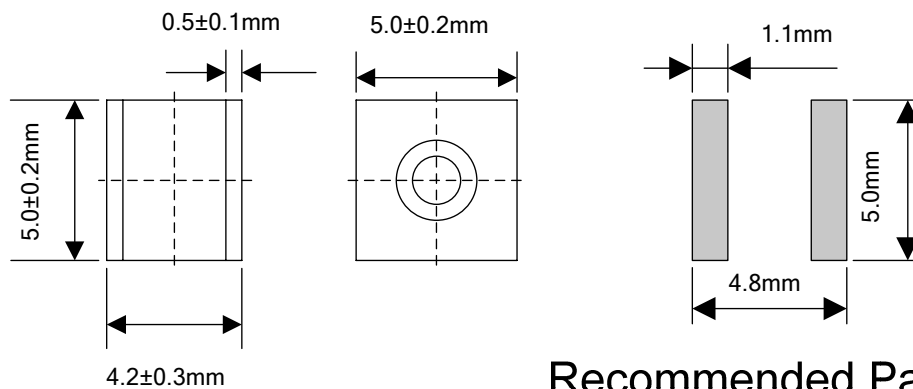
## »Features

- High insulation resistance
- 6KV 10/700µs maximum surge rating in accordance with ITU-TK.21
- Ultra low capacitance (<1.0pF)
- Surface mounted gas arrester
- Size :5.0mm\*5.0mm\*4.2mm
- 5.0KA surge capability tested with 8/20µs pulse as defined by IEC 61000-4-5
- Meets MSL level 1
- Storage and operating temperature: -40 ~ +85°C

## »Applications

- Communication equipment
- CATV equipment
- Test equipment
- Data lines
- Power supplies
- Telecom SLIC protection
- Broadband equipment
- ADSL equipment, including ADSL2+
- XDSL equipment
- Satellite and CATV equipment
- General telecom equipment

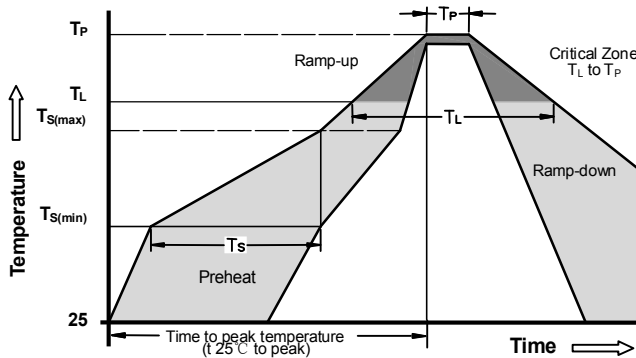
## »Device Dimensions (Unit: mm)



Recommended Pad Size

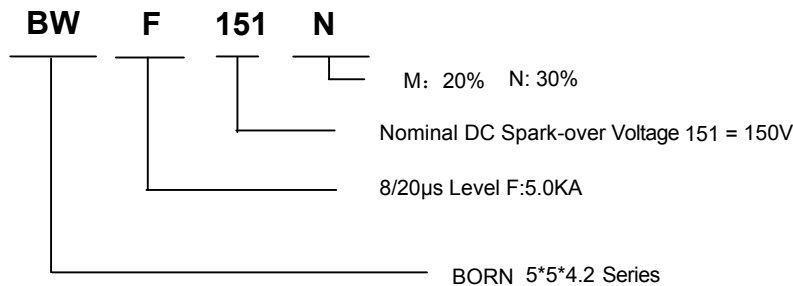


## »Recommended solderingprofile



<b>Reflow Condition</b>		Pb - Free assembly
<b>Pre Heat</b>	- Temperature Min( $T_{s(min)}$ )	150°C
	- Temperature Max( $T_{s(max)}$ )	200°C
	- Time (min to max) ( $t_s$ )	60 - 180 Seconds
<b>Average ramp up rate ( Liquidus Temp <math>T_L</math> ) to peak</b>		3°C/second max
<b><math>T_{s(max)}</math> to <math>T_L</math> - Ramp-upRate</b>		5°C/second max
<b>Reflow</b>	- Temperature ( $T_L$ )(Liquidus)	217°C
	- Time (min to max) ( $t_s$ )	60 - 150 Seconds
<b>Peak Temperature(<math>T_P</math>)</b>		260 +0/-5°C
<b>Time within 5°C of actual peak Temperature (<math>t_p</math>)</b>		10 - 30 Seconds
<b>Ramp-down Rate</b>		6°C/second max
<b>Time 25°C to peak Temperature (<math>T_P</math>)</b>		8 minutes Max
<b>Do not exceed</b>		260°C

## »Part Numbering



## »Cautions and warnings

- Gas discharge tubes (GDT) must not be operated directly in power supply networks.
- Gas discharge tubes (GDT) may become hot in case of longer periods of current stress (danger of burning).
- Gas discharge tubes (GDT) may be used only within their specified values. In the event of overload, the head contacts may fail or the component may be destroyed.
- Damaged Gas discharge tubes (GDT) must not be re-used.

»Packaging

Tape	Items	Dimension (mm)		
		Spec.	Tolerance	
<p>Technical drawing of a carrier tape showing dimensions: P0, P1, P2, D0, E, F, W, A0, B0, K0, t0.</p>	W	16.00	±0.20	
	P0	4.00	±0.10	
	P1	12.00	±0.20	
	P2	2.00	±0.10	
	D0	1.50	±0.10	
	E	1.75	±0.10	
	F	7.50	±0.10	
	A0	5.30	±0.10	
	K0	5.40	±0.10	
	B0	4.50	±0.10	
	t0	0.40	±0.10	
	Reel	D	330.00	±1.00
	<p>Technical drawing of a reel showing dimensions: D, d, L, t.</p>	d	13.00	±0.50
		L	20.00	±0.50
t		2.00	±0.20	
Quantity: 1000pcs				