

Axial / No wire, 2-Electrode Gas Discharge Tube B2G8LA(N) HV Series

Descriptions 产品描述

The Gas Discharge Tube (GDT) operates as a symmetrical voltage-dependent switch. Features as very high surge current handling capability, very high insulation resistance and ultra-low capacitance meet almost perfectly all requirements made on a protective element.

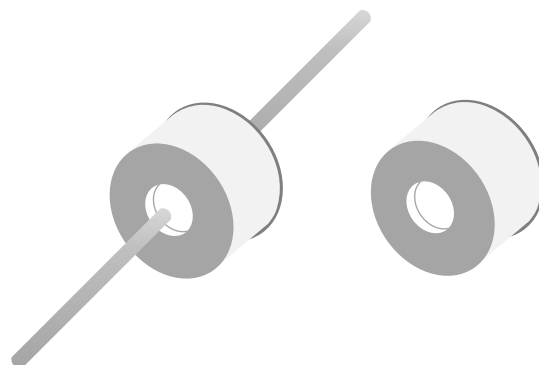
The B2G8LA(N) HV Series are 2-pole GDTs designed for protection of power lines. Low insertion loss is also perfectly suited to broadband equipment applications.

Features 产品特征

- 2-electrode arrester
- Very small size
- Rugged Ceramic-Metal construction
- Stable performance over life
- Extremely low capacitance ($\leq 1.5\text{pF}$)
- High insulation resistance

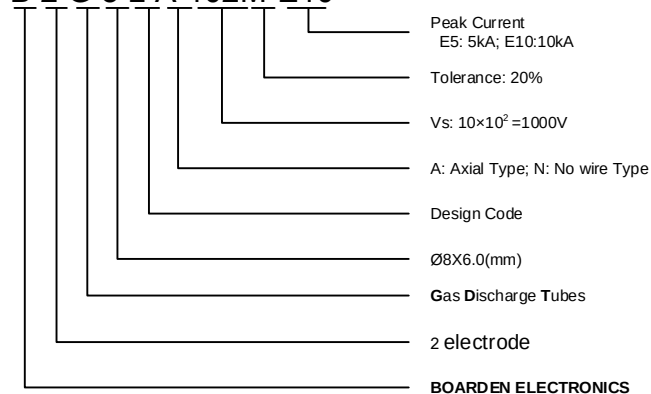
Applications 产品应用

- PCI cards
- Modem
- Splitter
- Line cards
- Applications with limited space



Part Numbering System 型号说明

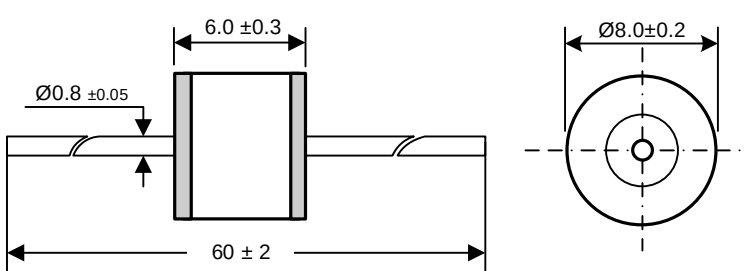
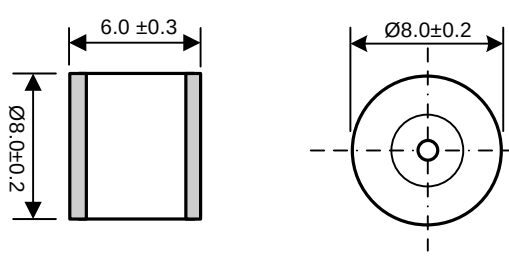
B 2 G 8 L A-102M-E10



Order information 包装信息

Device	Qualities	Size
B2G8LA Series	500/Box	275*150*50 mm
	800/R	13 Inch
B2G8LN Series	500/R	13 Inch

Product Dimensions (mm) 产品尺寸

Axial Wire Type	No Wire Type
	

Electrical Characteristics (TA=25°C unless otherwise noted) 电参数

型号 Part Number		直流击穿电压 DC Spark Over Voltage ^{1),2)} @100V/s	冲击击穿电压 Impulse Spark Over Voltage		冲击耐受等级 Impulse Withstand Ratings		交流放电电流 AC Discharge Current
			100V/μs	1kV/μs	8/20μs ±5 times	8/20μs 1 time	@50Hz 1s 5 times
			Max.	Max.	Nom.	Max.	Nom.
有引线 Axial Wire	无引线 No Wire	V	V	V	kA	kA	A
B2G8LA-102M-E10	B2G8LN-102M-E10	1000±20%	1600	1800	10	15	10
B2G8LA-122M-E10	B2G8LN-122M-E10	1200±20%	1800	2000	10	15	10
B2G8LA-152M-E10	B2G8LN-152M-E10	1500±20%	2300	2500	10	15	10
B2G8LA-182M-E10	B2G8LN-182M-E10	1800±20%	2600	2800	10	15	10
B2G8LA-202M-E5	B2G8LN-202M-E5	2000±20%	2800	3000	5	10	5
B2G8LA-252M-E5	B2G8LN-252M-E5	2500±20%	3200	3500	5	10	5
B2G8LA-272M-E5	B2G8LN-272M-E5	2700±20%	3500	3700	5	10	5
B2G8LA-302M-E5	B2G8LN-302M-E5	3000±20%	4000	4200	5	10	5
B2G8LA-362M-E5	B2G8LN-362M-E5	3600±20%	4600	5000	5	10	5
B2G8LA-402M-E5	B2G8LN-402M-E5	4000±20%	5000	5500	5	10	5
B2G8LA-452M-E5	B2G8LN-452M-E5	4500±20%	5500	6000	5	10	5
B2G8LA-502M-E5	B2G8LN-502M-E5	5000±20%	6000	6500	5	10	5
最小绝缘电阻 Minimum Insulation Resistance ³⁾				1GΩ			
最大电容@1MHz Maximum Capacitance @1MHz.....				1.5pF			
辉光电压@10mA Glow voltage at 10mA				160~280V			
弧光电压@1A Arc voltage at 1A.....				15~35V			
辉光至弧光转变电流 Glow to Arc transition current.....				~0.5A			
重量 Weight.....				~1.2g (Axial) ~0.95g (No Wire)			
操作和存储温度 Operation and storage temperature.....				-40 ~ +90°C			
气候等级 Climatic category (IEC 60068-1).....				40/90/21			
印字 Marking.....				L xxx yy xxx -直流击穿电压 Nominal voltage; yy -产品生产年份 Production year			

1) At delivery AQL 0.65 level II, DIN ISO 2859

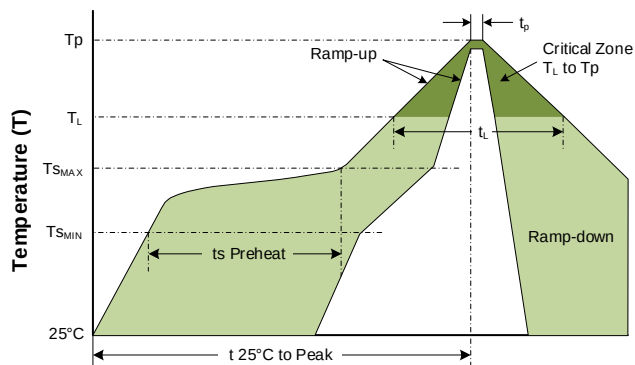
2) In ionized mode

3) Insulation resistance measuring voltage at 100Vdc

Terms in accordance with ITU-T Rec.K.12, IEC 61643-311, GB/T 9043

Soldering Parameters 焊接参数

Profile Feature	Lead-Free Assembly
Average Ramp-up Rate ($T_{S_{MAX}}$ to T_p) Average Ramp-down Rate (T_p to T_L)	3°C/second max. 6°C/second max.
Preheat • Temperature Min ($T_{S_{MIN}}$) • Temperature Max ($T_{S_{MAX}}$) • Time (t_s Preheat)	150°C 200°C 60-180 seconds
Time maintained above: • Temperature (T_L) • Time (t_L)	217°C 60-150 seconds
Peak/Classification Temperature • Temperature (T_p)	260 ^{+0/-5} °C
Time within 5°C of actual Peak Time (t_p)	20-40 seconds
Time 25°C to peak Temperature	8 minutes max
Do not exceed	280 °C



Flow/Wave Soldering (Solder Dipping)

Peak Temperature :	265 °C
Dipping Time :	10 seconds
Soldering :	1 time

Cautions and warnings 注意事项和警告

- Gas Discharge Tubes must not be operated directly in power supply networks.
气体放电管不能直接并联电源线路间
- Gas Discharge Tubes may become hot in case of longer periods of current stress (danger of burning).
气体放电管长时间在电流应力（燃烧危险）的情况下可能会变热。
- Gas Discharge Tubes may be used only within their specified values. In case of overload, the head contacts may fail or the component may be destroyed.
气体放电管只能在规定值内使用。如果过载，头部触点可能会失效或组件可能会被损坏。
- Damaged Gas Discharge Tubes must not be re-used.
损坏的气体放电管不可重复使用。

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Specifications are subject to change without notice.

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