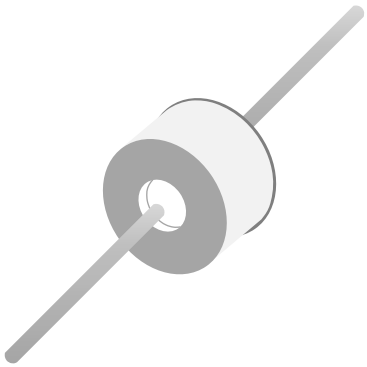
Axial, Low Spark Over Voltage, Medium Duty 2-Electrode Gas Discharge Tube B2G8LA Series



Descriptions

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 Series are 2-ploe GDTs designed for protection of power lines .Low insertion loss is also perfectly suited to broadband equipment applications.

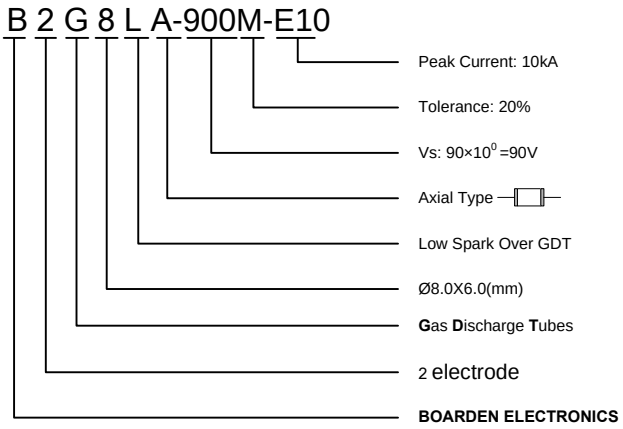
Features

- 2-electrode arrester
- Very fast response time
- Large absorbing transient current capability
- Rugged Ceramic-Metal construction
- Stable performance over life
- Low capacitance (<2.0pF)
- High insulation resistance

Applications

- PCI cards
- Modem
- Splitter
- Line cards
- Power supplier
- General telecom equipment

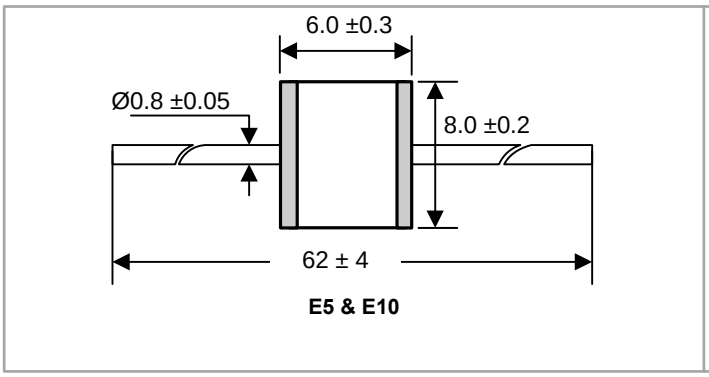
Part Numbering System

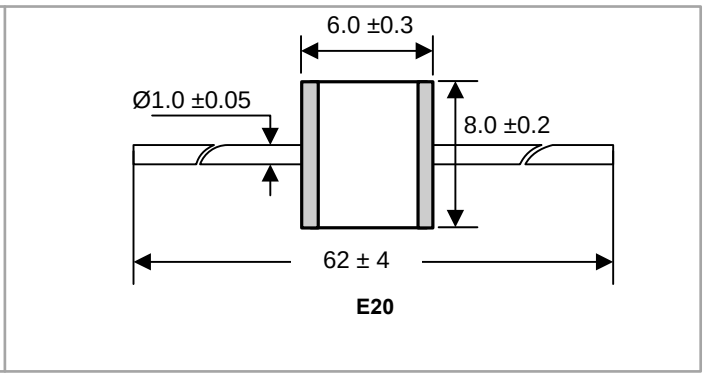


Order information

Device	Qualities	Box Size(L*W*H, mm)
B2G8LA Series	100	205*175*8

Product Dimensions (mm)





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

Part Number	V_S (V)	V_{SS} (V)		IMDC (A)		ACDC (A)	IR (MΩ)	C (pF)
	@100V/s	@100V/μs	@1kV/μs	@8/20μs 10 Hits	@10/1000μs 300 Hits	@50Hz 10 Hits	@50/100 V_{DC}	@1MHz
B2G8LA-900M-E10	90±20%	450	550	10K	100	10	1000	<2.0
B2G8LA-151M-E10	150±20%	450	550	10K	100	10	1000	<2.0
B2G8LA-201M-E10	200±20%	450	550	10K	100	10	1000	<2.0
B2G8LA-231M-E10	230±20%	450	550	10K	100	10	1000	<2.0
B2G8LA-251M-E10	250±20%	600	700	10K	100	10	1000	<2.0
B2G8LA-301M-E10	300±20%	600	700	10K	100	10	1000	<2.0
B2G8LA-351M-E10	350±20%	700	800	10K	100	10	1000	<2.0
B2G8LA-401M-E10	400±20%	750	700	10K	100	10	1000	<2.0
B2G8LA-421M-E10	420±20%	750	800	10K	100	10	1000	<2.0
B2G8LA-471M-E10	470±20%	750	850	10K	100	10	1000	<2.0
B2G8LA-501M-E10	500±20%	750	850	10K	100	10	1000	<2.0
B2G8LA-551M-E10	550±20%	900	1000	10K	100	10	1000	<2.0
B2G8LA-601M-E10	600±20%	900	1000	10K	100	10	1000	<2.0
B2G8LA-801M-E10	800±20%	1000	1300	10K	100	10	1000	<2.0
B2G8LA-102M-E10	1000±20%	1300	1500	10K	100	10	1000	<2.0
B2G8LA-900M-E20	90±20%	400	500	20K	200	20	1000	<2.0
B2G8LA-151M-E20	150±20%	450	500	20K	200	20	1000	<2.0
B2G8LA-201M-E20	200±20%	450	500	20K	200	20	1000	<2.0
B2G8LA-231M-E20	230±20%	450	500	20K	200	20	1000	<2.0
B2G8LA-251M-E20	250±20%	500	600	20K	200	20	1000	<2.0
B2G8LA-301M-E20	300±20%	500	650	20K	200	20	1000	<2.0
B2G8LA-351M-E20	350±20%	500	650	20K	200	20	1000	<2.0
B2G8LA-401M-E20	400±20%	600	700	20K	200	20	1000	<2.0
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B2G8LA-551M-E20	550±20%	800	900	20K	200	20	1000	<2.0
B2G8LA-601M-E20	600±20%	900	1000	20K	200	20	1000	<2.0
B2G8LA-801M-E20	800±20%	1050	1300	20K	200	20	1000	<2.0
B2G8LA-102M-E20	1000±20%	1300	1500	20K	200	20	1000	<2.0

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

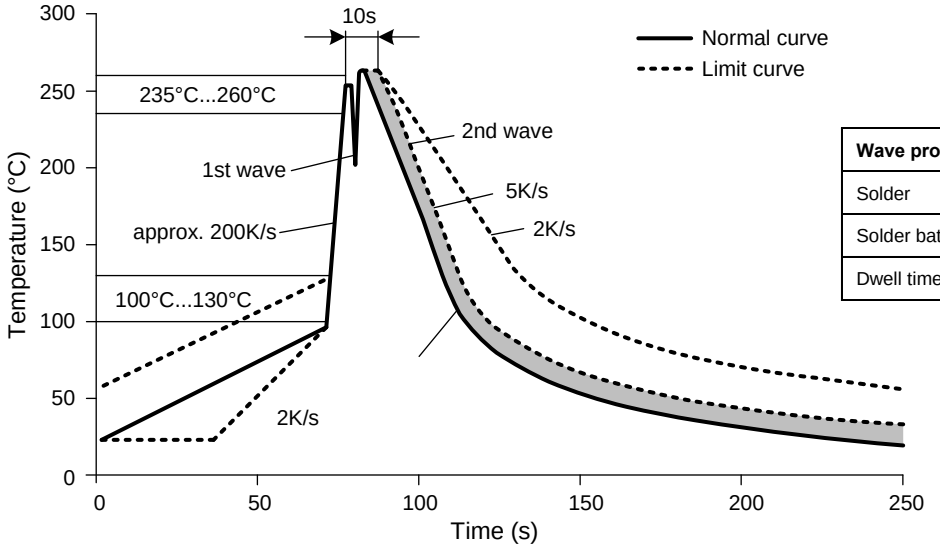
2) Tests according to ITU-T Rec. K.12 and UL 497B Terms and current waveforms in accordance with: ITU-T Rec. K.12; IEC 61643-21 and DIN 57845/VDE0845

- **V_S** - DC Spark Over Voltage
- **V_{SS}** - Impluse Spark Over Voltage
- **IMDC** - Impulse Discharge Current
- **ACDC** - AC Discharge Current
- **IR** - Insulation Resistance
- **C** - Capacitance

Cautions and warnings

- Gas Discharge Tubes must not be operated directly in power supply networks.
- Gas Discharge Tubes may become hot in case of longer periods of current stress (danger of burning).
- 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.
- Damaged Gas Discharge Tubes must not be re-used.

Soldering Parameters (Wave Soldering)



Wave profile features	Pb-free assembly
Solder	Sn 95.5 / Ag 3.8 / Cu 0.7
Solder bath temperature	263 (±3) °C
Dwell time	< 3s

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