

Gas Discharge Tube in 1206

Description

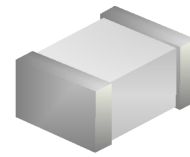
GDTs of RDSEMI are designed compliant with industrial specification of ITU-T K.12 2000 and national standards of GB/T 9043 2002, could meet over voltage transients protection requirements of lightning strikes, power cross and induction in both telecommunication equipments and power lines.

Features

- Very fast response time
- Suitable for direct strikes
- Stable performance over life
- Very low capacitance
- High insulation resistance

Mechanical Data

- **Case:** 1206(plastic package).
Lead free; RoHS compliant
- **Molding Compound Flammability Rating:**
UL 94 V-0
- **Terminals:** High temperature soldering guaranteed:
260 °C/10 sec. at terminals



Application

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

Electrical specifications (@25°C)

Part number	DC Spark-over Voltage ^{1) 2)}	Maximum Impulse Spark-over Voltage	Service Life ³⁾	Insulation resistance	Capacitance
		1kv/ μ s	8/20 μ s 10times	@ 100V _{DC}	@ 1 MHz
	(V)	(V)	(KA)	(M Ω)	(pF)
CG2R075L-1206	75 \pm 30%	550	0.5KA	> 1000	< 0.6
CG2R090L-1206	90 \pm 30%	550	0.5KA	> 1000	< 0.6
CG2R151L-1206	150 \pm 20%	600	0.5KA	> 1000	< 0.6
CG2R201L-1206	200 \pm 20%	600	0.5KA	> 1000	< 0.6
CG2R231L-1206	230 \pm 20%	650	0.5KA	> 1000	< 0.6
CG2R351L-1206	350 \pm 20%	900	0.5KA	> 1000	< 0.6
CG2R401L-1206	400 \pm 20%	950	0.5KA	> 1000	< 0.6
CG2R401LN-1206	400 - 500	950	0.5KA	> 1000	< 0.6
CG2R401LV-1206	400 \pm 20%	850	0.5KA	> 1000	< 0.6

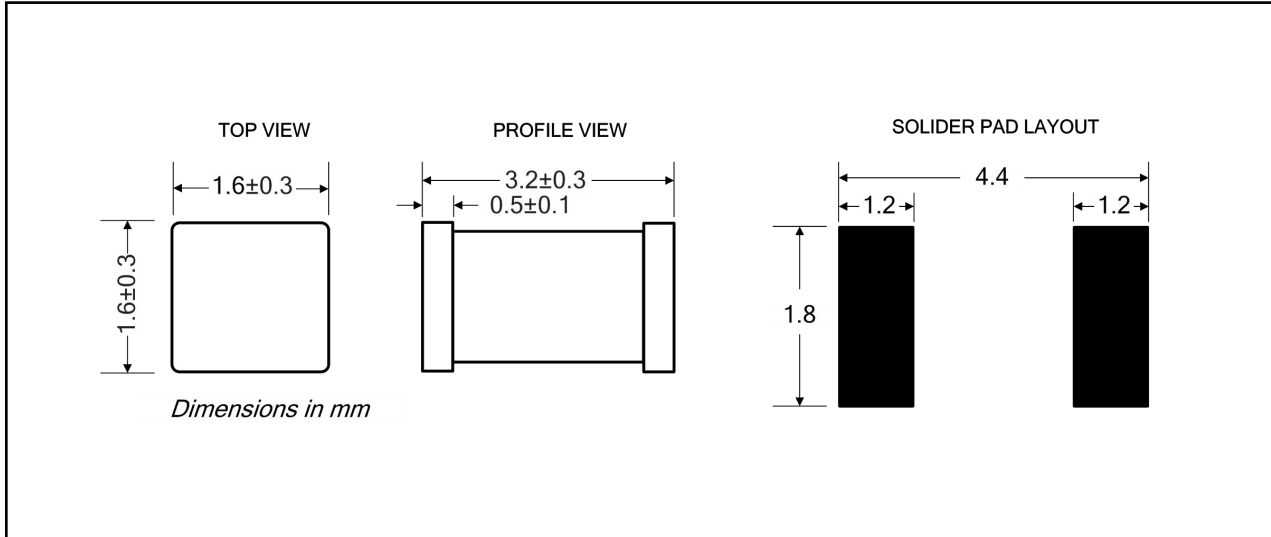
1) At delivery AQL 0.65 level II, DIN ISO 2859.

2) In ionized mode.

3) 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.

Package Dimensions



Ordering information

Order code	Package	Packaging option	Base quantity	Packaging specification
CG2RxxxL-1206 Series	1206	Tape and reel	2000pcs / reel	EIA STD RS-481

Revision history

Date	Revision	Changes
23-May-2020	1.0	Initial release

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