

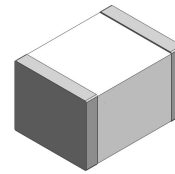
Gas Discharge Tube in 1812

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:** 1812(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

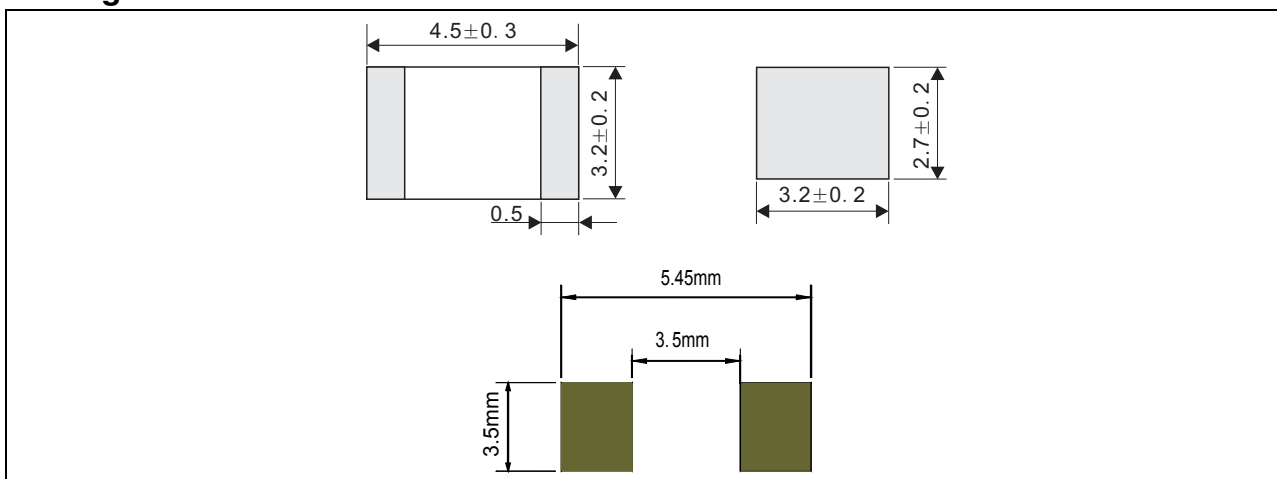
Application

- Power Supply
- MDF Module
- SLICs
- Telephone
- Powerstrip
- Transformers

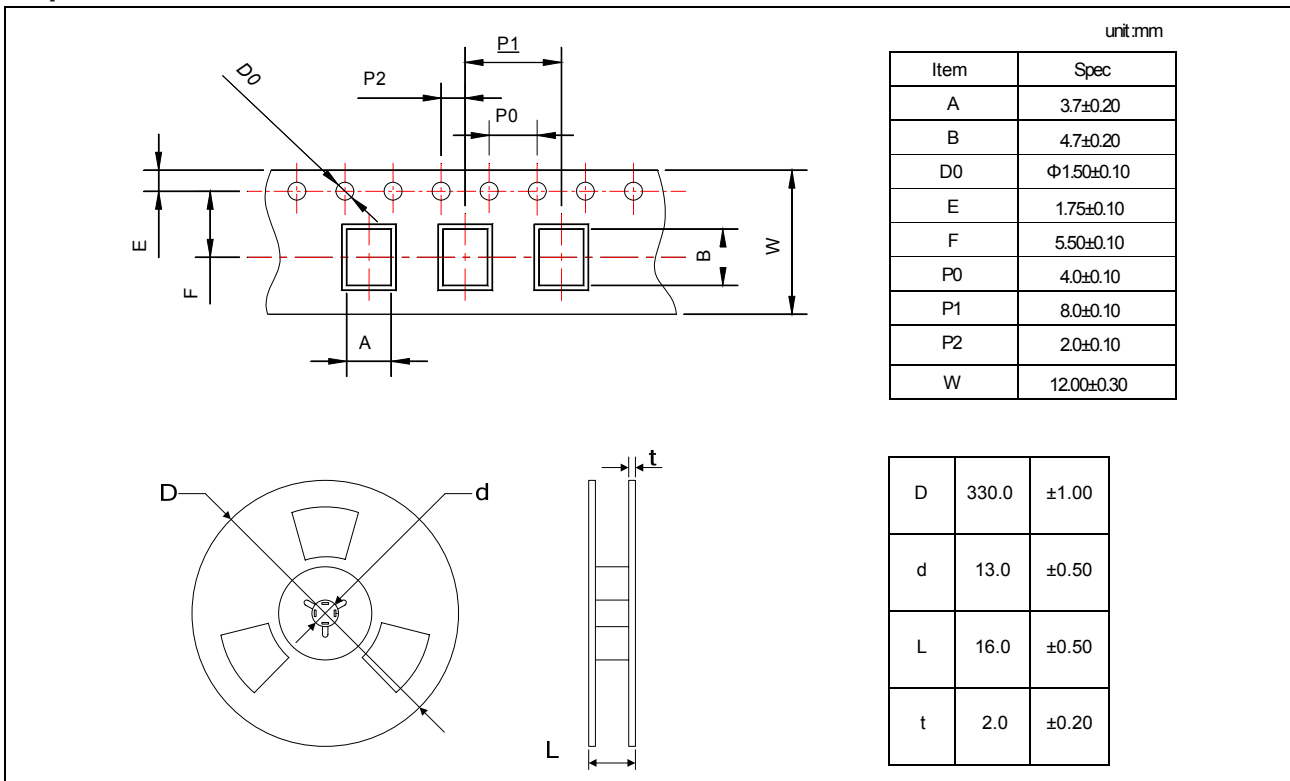
Specifications (@25°C)

Part No.	DC Breakdown Voltage 100v/s	Impulse Discharge Current	Impulse Withstanding Voltage Capacity	Impulse Spark-over Voltage 1kv/us	Insulation Resistance	Capacitance (1MHz 1V)
CG2R075L-1812	75V 55~95	8/20 us 1500A	10/700 us 6kV Positive/Negative 5 Times	<= 700v	1GΩ Min (DC 100V)	1 pF Max.
CG2R090L-1812	90V 63~117			<= 700v		
CG2R121L-1812	120V 84~156			<= 700v		
CG2R151L-1812	150V 120~180			<= 750v		
CG2R201L-1812	200V 160~240			<= 750v		
CG2R231L-1812	230V 184~276			<= 750v		
CG2R301L-1812	300V 240~360			<= 800v		
CG2R351L-1812	350V 280~420			<= 850v		
CG2R401L-1812	400V 320~480			<= 900v	1GΩ Min (DC 250V)	
CG2R421L-1812	420V 336~504			<= 900v		
CG2R471L-1812	470V 376~564			<= 950v		
CG2R501L-1812	500V 400~600			<= 1000v		
CG2R601L-1812	600V			<= 1050v		
	480~720					

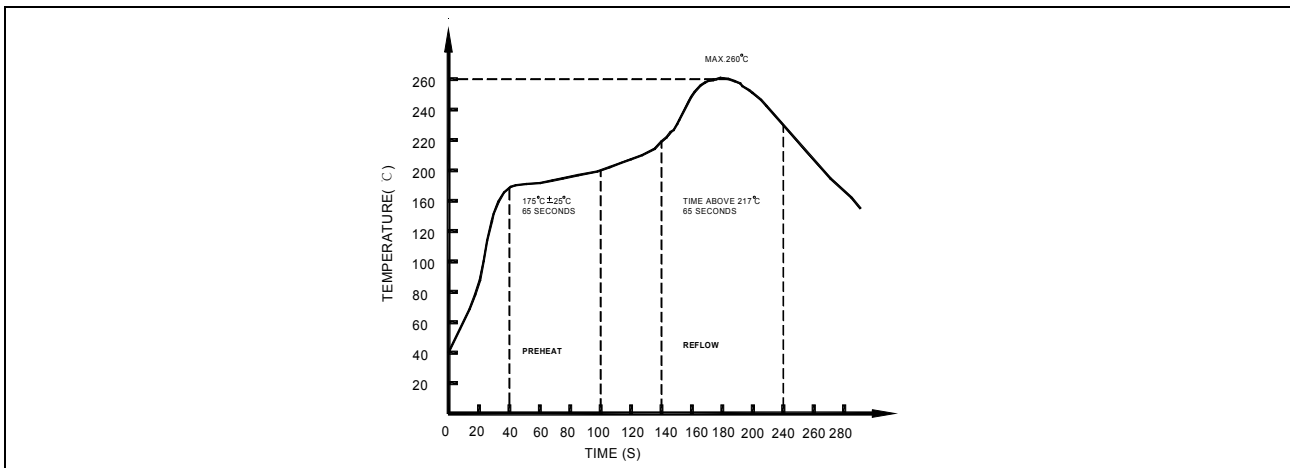
Package & Pad Dimensions



Tape & Reel information



Recommended wave slodering profile



Ordering information

Order code	Package	Packaging option	Base quantity	Reel diameters	Packaging specification
CG2RxxxL-1812 Series	1812	Tape and reel	2500pcs / reel	330mm	EIA STD RS-481

Revision history

Date	Revision	Changes
23-May-2020	1.0	Initial release

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