



Gas Discharge Tubes

RL1212 Series

Gas Discharge Tubes - RL1212 Series

GDT introduction: Gas discharge tubes (GDT) use noble gasses enclosed in ceramic tubes to provide an alternate circuit path for voltage spikes. The ceramic envelope and with nickel connectors allow for high loads and Ruilon offers products that function at 20KA,40KA,50KA,60KA,100KA&150KA. The breakdown voltages of the devices have a wide range (up to 20% tolerance). Major applications are high frequency telecommunication lines, stations, security systems, HID and high quality Surge Protection Devices (SPD).



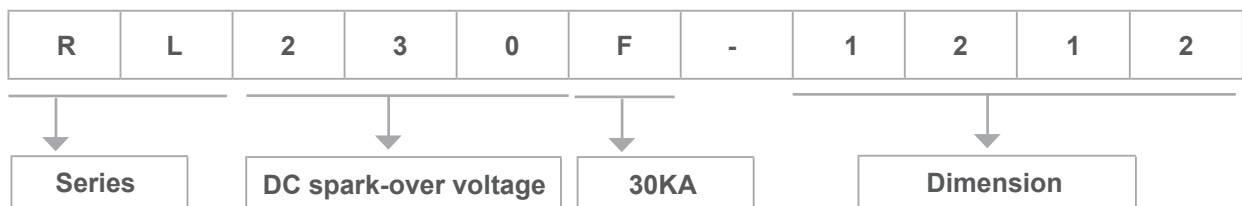
Features

1. RoHS & HF compliant
 2. Rugged ceramic-metal construction
 3. DC spark-over voltage: 230~800V
 4. Low capacitance
 5. Agency recognition: UL / cUL
 6. Operating temperature : -30°C ~ +85°C
- Storage temperature: -40°C ~ +115°C

Recommended Applications

1. Power supplier
2. Industrial equipment
3. SPD Module

Part Number Code



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Electrical Characteristics

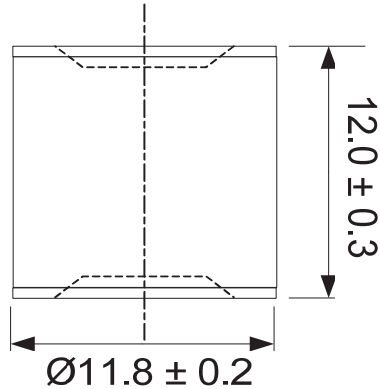
Part No.	DC Spark-over Voltage	Maximum Impulse Breakdown Voltage		Max. Impulse Discharge Current (8/20 μ s)		Impulse Life (10/1000 μ s)	Normal Alternating Discharge Current		DC Holdover Voltage	Minimum Insulation Resistance	Maximum Capacitance (1MHz)
	100V/S	100V/ μ S	1KV/ μ s	1 times	5 times	500 A	50Hz 1Sec	Single 9 Cycles	<150ms		
	(V)	(V)	(V)	(KA)	Times	(A)	(V)	(G Ω)	(pF)		
RL230F-1212	230 \pm 20%	600	700	60	40	400	40	200	135	1	10
RL250F-1212	250 \pm 20%	600	700	60	40	400	40	200	135	1	10
RL300F-1212	300 \pm 20%	700	800	60	40	400	40	200	150	1	10
RL350F-1212	350 \pm 20%	800	900	60	40	400	40	200	150	1	10
RL420F-1212	420 \pm 20%	900	1000	60	40	400	40	200	150	1	10
RL470F-1212	470 \pm 20%	900	1100	60	40	400	40	200	150	1	10
RL600F-1212	600 \pm 20%	1100	1300	60	40	400	40	200	150	1	10
RL700F-1212	700 \pm 20%	1200	1400	60	40	400	40	200	150	1	10
RL800F-1212	800 \pm 20%	1300	1500	60	40	400	40	200	150	1	10

DC Spark-over Voltage	DC Measuring Voltage
150-400V	100V
420-800V	250V

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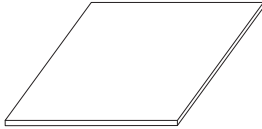
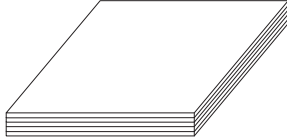
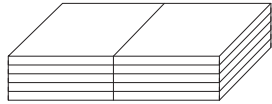
Dimension

Unit:mm



Packaging Bulk

Unit:mm

Plastic Tray (263x143x10mm)	Inner Box (270x145x50mm)	Outside Box (310x280x275mm)
		
60 PCS/ Plastic Tray	180 PCS/ Box	1,800 PCS/ Carton

Warehouse Storage Conditions of Products

- Storage Conditions:
 1. Storage Temperature: $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$
 2. Relative Humidity: $\leq 75\% \text{RH}$
 3. Keep away from corrosive atmosphere and sunlight.
- Period of Storage: 1 year

RuiLongYuan Electronics Co., Ltd.

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