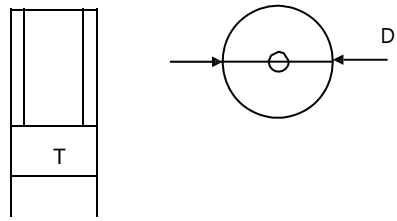
2RS-5 SERIES
GAS DISCHARGE TUBES

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

- SMD Structure
- DC Spark-over voltage: 1000~6000V
- Low Capacitance
- Agency Recognition : UL
- Operating temperature:-30°C ~ +85°C Storage temperature:-40°C ~ +115°C



Mechanical Data

- Cable Modem
- xDSL
- Set-Top Box
- TV sets
- Power supplier
- Consumer electronics

RoHS COMPLIANT

Unit:mm

Item	Dimensions	
	Spec.	Tolerance
D	5.5	+0.3/-0.5
T	6.0	+0.3/-0.5

Part Number Code

2	R	1	0	0	0	T	-	5

- 2R: Series
- 100: DC Line Voltage
- T: Lead Type (S=SMD)
- 5: Dimensions

Part Number	Impulse Spark-over Voltage	Maximum Impulse Breakdown Voltage	Max. Impulse Discharge Current (8/20μs)	AC Discharge Current	Impulse Life (10/1000μs)	Minimum Insulation Resistance		Maximum Capacitance (1MHz)
	100V/S	1KV/μs	10 times	50hz,1sec	100 A			
SMD	(V)	(V)	(KA)	(A)	Times	TestVoltage DC(V)	(GΩ)	(pF)
2R1000S-5	1000	1500	3	3	100	500	1	1
2R1100S-5	1100	1700	3	3	100	500	1	1
2R1200S-5	1200	1800	3	3	100	500	1	1
2R1600S-5	1600	2000	3	3	100	500	1	1
2R2000S-5	2000	2300	3	3	100	1000	1	1
2R2500S-5	2500	2750	3	3	100	1000	1	1
2R2700S-5	2700	3500	3	3	100	1000	1	1
2R3000S-5	3000	4000	3	3	100	1000	1	1
2R3300S-5	3300	4200	3	3	100	1000	1	1
2R3600S-5	3600	4700	3	3	100	1000	1	1
2R4000S-5	4000	6000	3	3	100	1000	1	1
2R4500S-5	4500	6500	3	3	100	1000	1	1
2R5000S-5	5000	8000	3	3	100	1000	1	1
2R6000S-5	6000	9500	3	3	100	1000	1	1