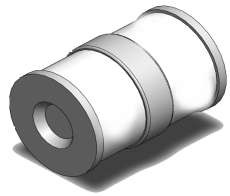
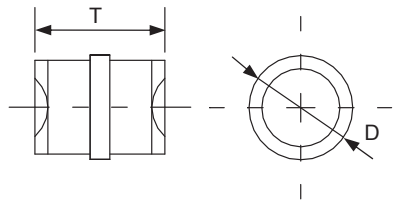
3RSB-8 SERIES
GAS DISCHARGE TUBES

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

- Rugged ceramic-metal construction
- Available with or without leads
- Available with fail-safe clip
- DC spark-over voltage:75~600V
- Low capacitance
- Agency recognition :UL
- Operating temperature : -30°C ~ +85°C
  Storage temperature: -40°C ~ +115°C



Applications

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

RoHS COMPLIANT

Unit:mm

Item	Dimensions	
	Spec.	Tolerance
D	8.0	+0.2/-0.8
T	10.0	±0.5

Part Number Code

3	R	0	7	5	T	B	-	8

Series	DC Line Voltage	Lead Type	Electrical Characteristics	Dimensions
		T=Thrust	A=5000A	
		S=SMD	B=10000A	

Electriacl Characteristics

Part No.	DC Spark-over Voltage	Max. Impulse Breakdown Voltage		Max. Impulse Discharge Current (8/20μs)	Impulse Life(10/1000μs)	Normal Alternating Discharge Current	DC Holdover Voltage	Minimum Insulation Resistance	Maximum Capacitance (1MHz)
	100V/S	100V/μs	1KV/μs	10 times	100A	50Hz,1Sec	<150ms		
S Series	(V)	(V)	(V)	(KA)	(Times)	(A)	(V)	(GΩ)	(pF)
3R075SB-8	75±20%	600	700	10	300	10	52	10	2
3R090SB-8	90±20%	600	700	10	300	10	52	10	2
3R150SB-8	150±20%	500	700	10	300	10	135	10	2
3R200SB-8	200±20%	500	700	10	300	10	135	10	2
3R230SB-8	230±20%	600	700	10	300	10	150	10	2
3R250SB-8	250±20%	600	700	10	300	10	150	10	2
3R350SB-8	350±20%	700	800	10	300	10	150	10	2
3R400SB-8	400±20%	800	900	10	300	10	150	10	2
3R470SB-8	470±20%	900	1000	10	300	10	150	10	2
3R600SB-8	600±20%	1000	1100	10	300	10	150	10	2

DC Spark-over Voltage	DC Measuring Voltage
75-90V	50V
150-400V	100V
420-600V	250V