

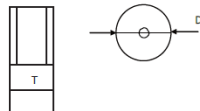
Data Sheet

Gas Discharge Tubes

Model: SXH80-90X



SXH80 (No lead type)



Item	Dimensions	
	Spec.	Tolerance
D	8.0	+0.3/-0.5
T	6.0	+0.3/-0.5

Unit:mm

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 10 kA. 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

- RoHS & HF compliant
- Rugged ceramic-metal construction
- DC spark-over voltage: 90 V
- DC measuring voltage: 50 V
- Low capacitance
- Agency recognition: UL/ cUL
- Operating temperature: -30°C to 85°C
- Storage temperature: -40°C to 125°C
- Relative humidity: ≤75% RH
- Keep away from corrosive atmosphere and sunlight
- *Period of storage: 1 year*

Recommended Applications:

- Cable modem
- xDSL
- Set-top box
- TV sets
- Power supplies
- Consumer electronics

Data Sheet

Electrical Characteristics:

Part No.	DC Spark-over voltage	Max. Impulse breakdown voltage		Max. Impulse discharge current (8/20/ μ S)		Impulse life (10/1000/ μ S)	Normal alternating discharge current		DC Holdover voltage	Min. Insulation resistance	Max. Capacitance (1MHz)
	100V/S	100V/ μ S	1KV/ μ S	1 times	10 times	100 A	50 Hz 1 Sec	Single 9 cycles	< 150ms		
SMD	(V)	(V)	(V)	(KA)		Times	(A)		(V)	(G Ω)	(pF)
SXH80 -90X	90 \pm 20%	500	600	15	10	300	10	65	52	1	1.5