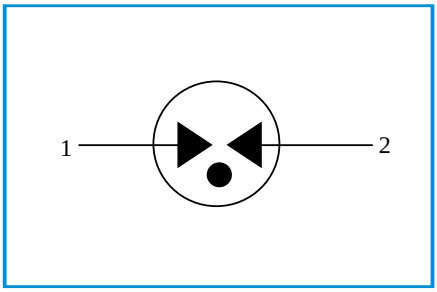
Gas Discharge Tube

Features

- Size DesignΦ8×6mm
- High Current Handling Capability 10,000A @ 8/20μs
- Low Capacitance and Insertion Loss
- Fast Response and Long Service Life
- Reliable to Protect Electrostatic Surge
- Moisture sensitivity level：Level 1
- Marking:600M+date code

Functional Diagram



Applications

- AC Power

Electrical Characteristics(TA=25°C unless otherwise specified)

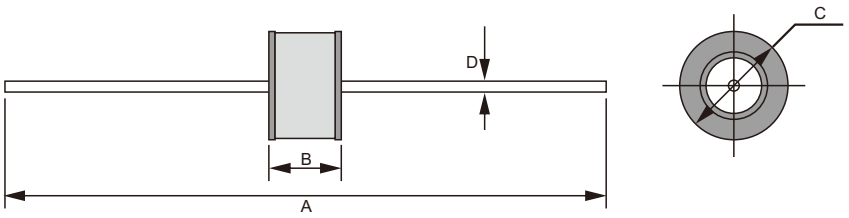
DC Breakdown Voltage[1) 2)]	100V/s	480-720	V
Impulse Spark-over Voltage	At 1kV/μs	for 99 % of measured values ≤ 1400	V
	At 1kV/μs	Typical values of distribution ≤ 1300	V
Impulse Discharge Current[3)]	8/20μs ±5times	10	KA
Arc Voltage	At 1A	~15	V
Insulation Resistance	DC=100V	≥1	GΩ
Capacitance at 1 MHz	V_{DC}=0.5V	≤1.5	pF
Weight		~1.55	g
Operating and storage Temperature		-40-90	℃

1) At delivery AQL 0.65 level II GB/T 2828.1-2003
2) In ionized mode
3) Terms and current waveforms in accordance with ITU-T Rec. K. 12; IEC 61643-21

Product Characteristics

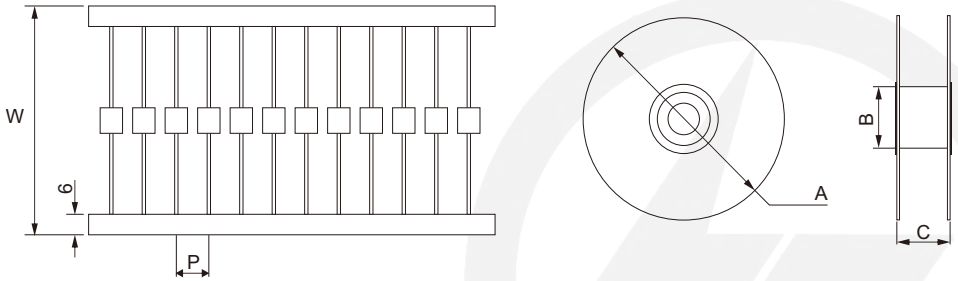
Lead Material	Copper
Body Material	Ceramics Iron-nickel electrode
Terminal Finish	100% Matte-Tin Plated

Product Dimensions



REF	mm
A	62 ± 2
B	6 ± 0.2
C	Φ8 ± 0.2
D	Φ0.8 ± 0.06

Package Reel Information



REF	mm
W	65±3
P	10 ± 1
A	Φ340 ± 2
B	Φ83 ± 2
C	73 ± 3

OUTLINE	REEL (PCS)	PER CARTON (PCS)	CARTON SIZE(mm)		
			L	W	H
TAPING	700	4200	480	350	360

Wave Soldering Profile

Wave Soldering Condition		Pb-Free assembly
Pre Heat	Temperature Min	100°C
	Temperature Max	150°C
	Time （min to max）	60 – 180 secs
Solder Pot Temperature		280℃ Max
Solder Dwell Time		2-5 seconds