

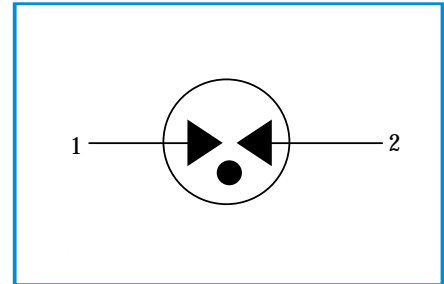
## Gas Discharge Tube

### Features

- Size Design  $\Phi 8 \times 6 \text{mm}$
- High Current Handling Capability 10,000A @ 8/20 $\mu\text{s}$
- Low Capacitance and Insertion Loss
- Fast Response and Long Service Life
- Reliable to Protect Electrostatic Surge
- Moisture sensitivity level : Level 1
- Marking:090M+date code



Functional Diagram



### Applications

- DC Power

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

DC Breakdown Voltage <sup>1) 2)</sup>	100V/s	72-108	V
Impulse Spark-over Voltage	At 1kV/ $\mu\text{s}$	for 99 % of measured values $\leq 600$	V
	At 1kV/ $\mu\text{s}$	Typical values of distribution $\leq 550$	V
Impulse Discharge Current <sup>3)</sup>	8/20 $\mu\text{s}$ $\pm 5$ times	10	KA
Arc Voltage	At 1A	$\sim 12$	V
Insulation Resistance	DC=100V	$\geq 1$	G $\Omega$
Capacitance at 1 MHz	V <sub>DC</sub> =0.5V	$\leq 1.5$	pF
Weight		$\sim 1.62$	g
Operating and storage Temperature		-40-90	°C

1) At delivery AQL 0.65 level II ISO 2859

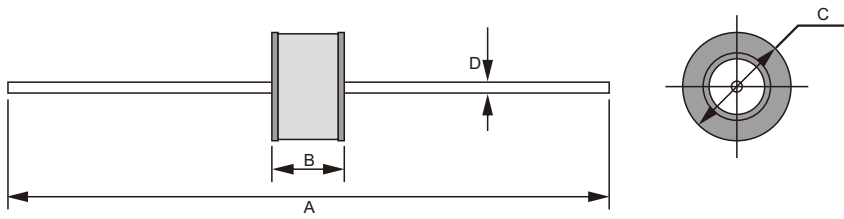
2) In ionized mode

3) Terms and current waveforms in accordance with ITU-T Rec. K. 12; IEC 61643-21

### Product Characteristics

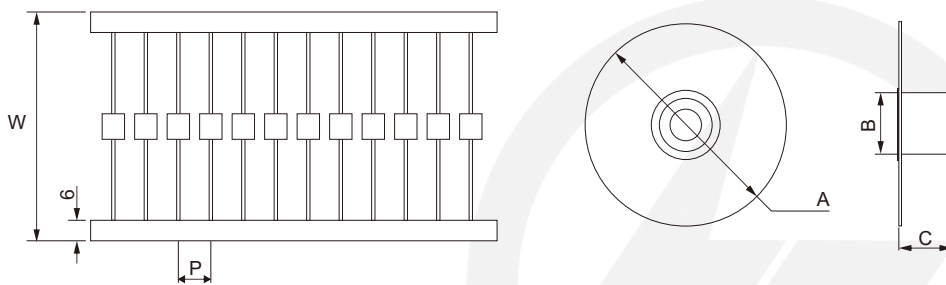
Lead Material	Copper
Body Material	Ceramics Iron-nickel electrode
Terminal Finish	100% Matte-Tin Plated

## 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°C Max
Solder Dwell Time		2-5 seconds

