

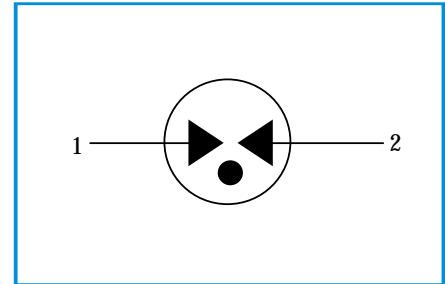
Gas Discharge Tube

Features

- Size Design $\Phi 8 \times 6 \text{mm}$
- High Current Handling Capability 5000A @ 8/20 μs
- Low Capacitance and Insertion Loss
- Fast Response and Long Service Life
- Reliable to Protect Electrostatic Surge
- Moisture sensitivity level : Level 1
- Marking:3000L



Functional Diagram



Applications

- AC Power

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

DC Breakdown Voltage ^{1) 2)}	100V/s	2400-3600	V
Impulse Spark-over Voltage	At 1kV/ μs	≤ 4000	V
Impulse Discharge Current ³⁾	8/20 μs ± 5 times	5	KA
Arc Voltage	At 1A	~ 35	V
Insulation Resistance	DC=100V	≥ 1	G Ω
Capacitance at 1 MHz	V _{DC} =0.5V	≤ 1	pF
Hi-pot test	I _D =10mA	≥ 1500	V
Weight		~ 1.62	g
Operating and storage Temperature		-40-90	°C

1) At delivery AQL 0.65 level II ISO 2859

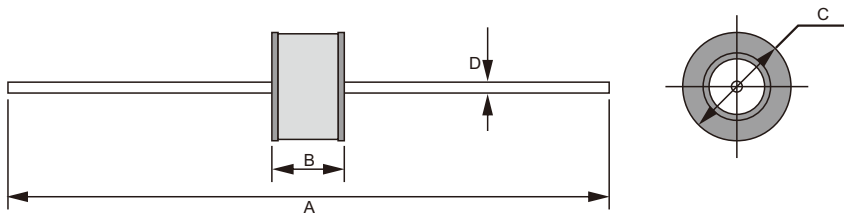
2) In ionized mode

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

Product Characteristics

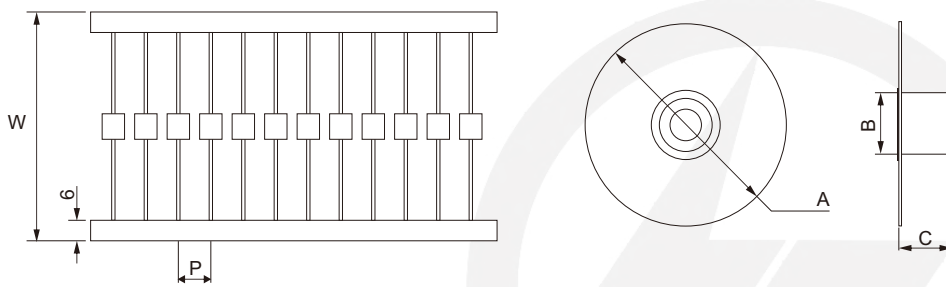
Lead Material	Copper
Body Material	Ceramics Iron-nickel electrode
Terminal Finish	100% Matte-Tin Plated

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

