


### Features

- Size: 11.8 mm diameter, 17.5 mm length
- High power rating
- High voltage range
- RoHS compliant\*
-  UL Recognized\*\*

### Applications

- Industrial equipment/electronics
- Telecommunications electronics

## 2097 Series High-Voltage 2-Electrode Gas Discharge Tube

### Characteristics

Test Methods per ITU-T (CCITT) K.12 and IEC 61643-311.

Characteristic	Model No.					
	2097-100**	2097-120	2097-140	2097-160	2097-200	2097-220
DC Sparkover $\pm 20\%$ @ 100 V/s	1000 V	1200 V	1400 V	1600 V	2000 V	2200 V
Impulse Sparkover						
100 V/ $\mu$ s	< 1500 V	< 1800 V	< 2000 V	< 2300 V	< 2600 V	< 2700 V
1000 V/ $\mu$ s	< 1700 V	< 2000 V	< 2200 V	< 2500 V	< 2700 V	< 2800 V

Insulation Resistance (IR) <sup>1</sup> .....	500/1000 Vdc.....	> 10 G $\Omega$
Glow Voltage .....	10 mA.....	~ 60 V
Arc Voltage .....	1 A.....	~ 15 V
Glow-Arc Transition Current .....		< 1 A
Capacitance.....	1 MHz .....	< 1.0 pF
Impulse Discharge Current.....	25,000 A, 8/20 $\mu$ s.....	1 operation
	20,000 A, 8/20 $\mu$ s.....	5 operations
Alternating Discharge Current	20 Arms, 50 Hz, 1 second.....	1 operation min.
	120 Arms, 50 Hz, 9 cycles .....	1 operation min.
Impulse Life .....	500 A, 10/1000 $\mu$ s.....	> 400 operations
Operating Temperature.....		-30 to +85 °C
Storage Temperature.....		-40 to +115 °C
Climatic Category (IEC 60068-1).....		40 / 90 / 21

#### Notes:

- <sup>1</sup> Insulation Resistance measured at 1000 V for GDTs with >2000 V DCBD.
- At delivery AQL 0.65 Level II, DIN ISO 2859.
  - \*\* UL Recognized components, UL File E153537. Model 2097-100 is not UL Recognized.

## BOURNS®

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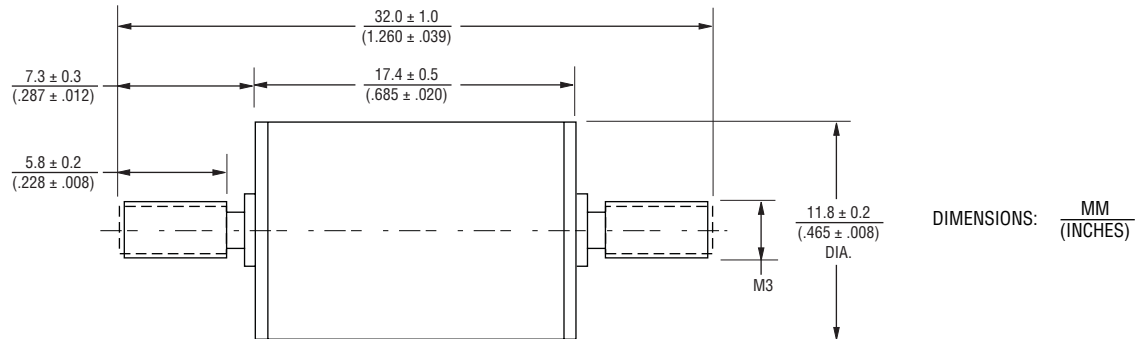
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**www.bourns.com**

# 2097 Series High-Voltage 2-Electrode Gas Discharge Tube

**BOURNS®**

## Product Dimensions



## Packaging Specifications

Model 2097 ships standard bulk, 35 pcs. per tray; 3 trays per box (105 units).

## How to Order

