

### **Features**

- Size: 11.8 mm diameter, 17.5 mm length
- High power rating
- High voltage range
- RoHS compliant\*
- **TAL®** 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 ±20 % @ 100 V/s	1000 V	1200 V	1400 V	1600 V	2000 V	2200 V
Impulse Sparkover (1)						
100 V/μs	< 1500 V	< 1800 V	< 2000 V	< 2300 V	< 2600 V	< 2700 V
1000 V/μs	< 1700 V	< 2000 V	< 2200 V	< 2500 V	< 2700 V	< 2800 V

<sup>(1)</sup> Impulse Sparkover voltage is defined as typical values of distribution.

Insulation Resistance (IR) (2)	500/1000 Vdc	> 10 GΩ
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 μs	1 operation
	20,000 A, 8/20 µs	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 µs	> 400 operations
Operating Temperature		30 to +85 °C
Storage Temperature		40 to +115 °C
Climatic Category (IEC 60068-1)		40 / 90 / 21

#### Notes:

(2) 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 E313168. Model 2097-100 is not UL Recognized.

## **Additional Information**

Click these links for more information:











SELECTOR LIBRARY

PRODUCT TECHNICAL INVENTORY SAMPLES

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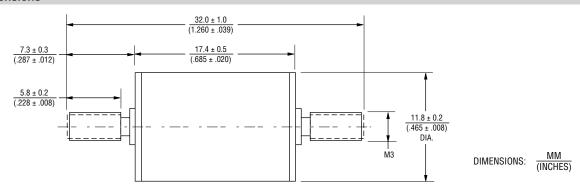
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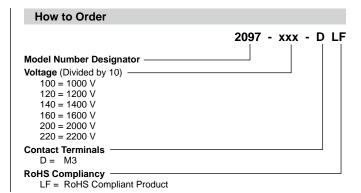


### **Product Dimensions**



### **Packaging Specifications**

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



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