


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 ⁽¹⁾						
100 V/ μ s	< 1500 V	< 1800 V	< 2000 V	< 2300 V	< 2600 V	< 2700 V
1000 V/ μ s	< 1700 V	< 2000 V	< 2200 V	< 2500 V	< 2700 V	< 2800 V

⁽¹⁾ Impulse Sparkover voltage is defined as typical values of distribution.

Insulation Resistance (IR) ⁽²⁾	500/1000 Vdc	> 10 G Ω
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 μ s	1 operation
	20,000 A, 8/20 μ 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 μ s	> 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.

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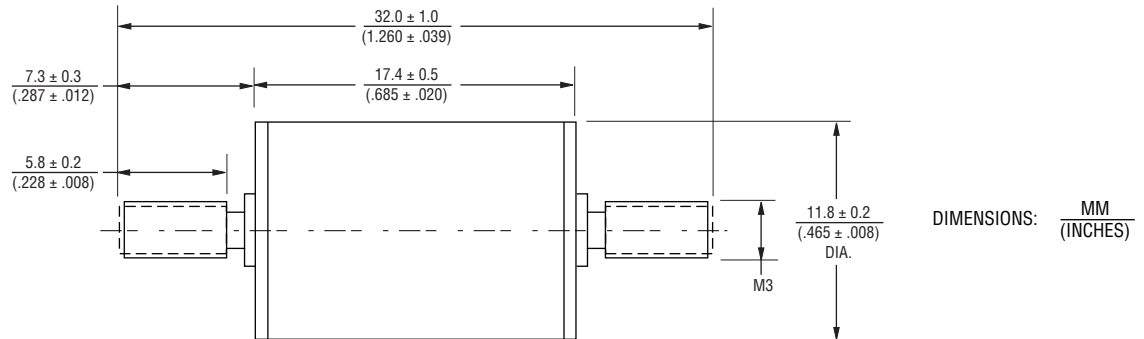
*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

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2097 Series High-Voltage 2-Electrode Gas Discharge Tube

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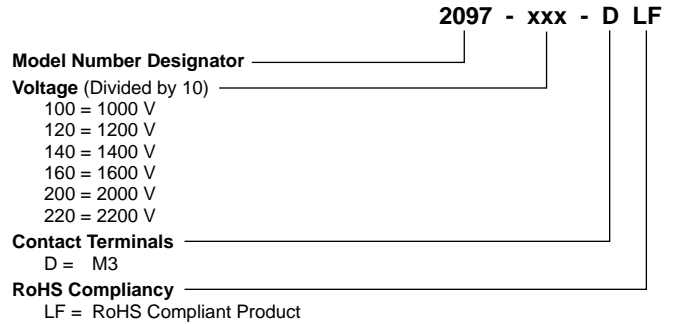
Product Dimensions



Packaging Specifications

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

How to Order



REV. E 09/19

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