



Features

- Size: 11.8 mm diameter, 17 mm length
- 100 kA surge rating
- High power handling
- Low leakage
- RoHS compliant*
-  UL Recognized

Applications

- Telecommunications equipment
- Industrial equipment/electronics

2063 Series High-Current 2-Electrode Gas Discharge Tube

Characteristics

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

Characteristic	Model No.				
	2063-23	2063-25	2063-30	2063-35	2063-42
DC Sparkover $\pm 20\%$ @ 100 V/s	230 V	250 V	300 V	350 V	420 V
Impulse Sparkover					
100 V/ μ s	< 600 V	< 600 V	< 700 V	< 800 V	< 900 V
1000 V/ μ s	< 700 V	< 700 V	< 800 V	< 900 V	< 1000 V

Characteristic	Model No.			
	2063-47	2063-60	2063-70	2063-80
DC Sparkover $\pm 20\%$ @ 100 V/s	470 V	600 V	700 V	800 V
Impulse Sparkover				
100 V/ μ s	< 900 V	< 1100 V	< 1200 V	< 1300 V
1000 V/ μ s	< 1100 V	< 1300 V	< 1400 V	< 1500 V

Insulation Resistance (IR) NOTE 1	100 / 250 Vdc	> 1 G Ω
Glow Voltage	10 mA	~ 70 V
Arc Voltage	1 A	~ 10 V
Glow-Arc Transition Current		< 1 A
Maximum Capacitance	1 MHz	< 10 pF
Maximum Impulse Discharge Current	100,000 A, 8/20 μ s	1 operation
	60,000 A, 8/20 μ s	5 operations
Nominal Alternating Discharge Current	60 A, 50 Hz, 1 second	1 operation
	300 A, 9 cycles	1 operation
Impulse Life	500 A, 10/1000 μ s	> 400 operations
DC Holdover Voltage NOTE 2		< 150 ms
Operating Temperature		-30 to +85 °C
Storage Temperature		-40 to +115 °C
Climatic Category (IEC 60068-1)		40 / 90 / 21

Notes:

- UL Recognized component, UL File E313168.
- At delivery AQL 0.65, level II DIN ISO 2859

Note 1:	<u>DC Sparkover Voltage</u>	<u>IR Measuring Voltage</u>
	230–400 V	100 V
	420–800 V	250 V

Note 2:	<u>Network Applied</u>	<u>DC Holdover Voltage</u>
	230–250 V	135 V
	300–800 V	150 V

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

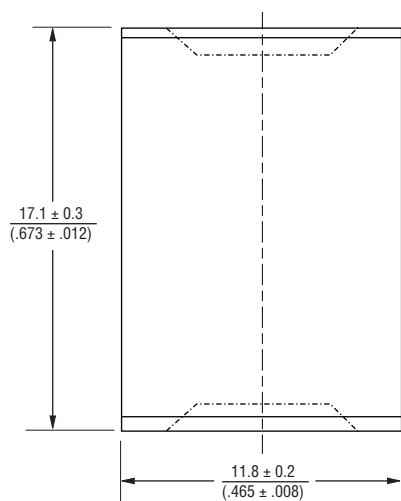
Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

2063 Series High-Current 2-Electrode Gas Discharge Tube

BOURNS®

Product Dimensions



DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

How to Order

Model Number Designator **2063 - xx - A LF**

Voltage (Divided by 10)

23 = 230 V	47 = 470 V
25 = 250 V	60 = 600 V
30 = 300 V	70 = 700 V
35 = 350 V	80 = 800 V
42 = 420 V	

Leads

A = No Leads

Packaging

(Blank) = Bulk Packaging - 35 pcs./tray (Standard)

RoHS Compliancy

LF = RoHS Compliant Product

Packaging Specifications

Model 2063 ships standard bulk, 35 pcs. per tray; 105 pcs. per box.

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Mouser Electronics

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