




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 ⁽¹⁾					
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 ⁽¹⁾				
100 V/ μ s	< 900 V	< 1100 V	< 1200 V	< 1300 V
1000 V/ μ s	< 1100 V	< 1300 V	< 1400 V	< 1500 V

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

Insulation Resistance (IR) ⁽²⁾	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 ⁽³⁾	< 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

⁽²⁾ DC Sparkover Voltage	IR Measuring Voltage
230–400 V	100 V
420–800 V	250 V

⁽³⁾ Network Applied	
DC Sparkover Voltage	DC Holdover Voltage
230–250 V	135 V
300–800 V	150 V



WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

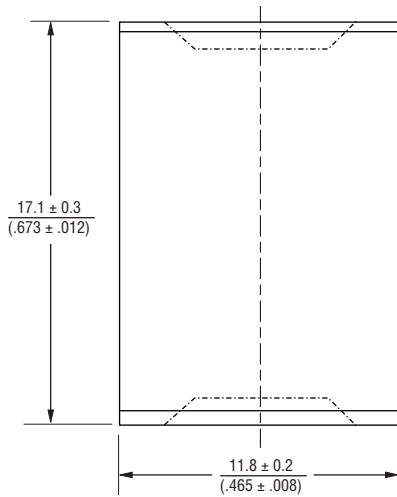
*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

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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.

BOURNS®

Asia-Pacific: Tel: +886-2 2562-4117 • Fax: +886-2 2562-4116

EMEA: Tel: +36 88 885 877 • Fax: +36 88 520 211

The Americas: Tel: +1-951 781-5500 • Fax: +1-951 781-5700

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