



## Features

- Size: 11.8 mm diameter, 12 mm length
- 60 kA surge rating
- High power handling
- Low leakage
- RoHS compliant\*
-  UL Recognized

## Applications

- Telecommunications equipment
- Industrial equipment/electronics

## 2061 Series High-Current 2-Electrode Gas Discharge Tube

### Characteristics

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

| Characteristic                    | Model No. |         |         |         |          |
|-----------------------------------|-----------|---------|---------|---------|----------|
|                                   | 2061-23   | 2061-25 | 2061-30 | 2061-35 | 2061-42  |
| DC Sparkover $\pm 20\%$ @ 100 V/s | 230 V     | 250 V   | 300 V   | 350 V   | 420 V    |
| Impulse Sparkover                 |           |         |         |         |          |
| 100 V/ $\mu$ s                    | < 600 V   | < 600 V | < 700 V | < 800 V | < 900 V  |
| 1000 V/ $\mu$ s                   | < 700 V   | < 700 V | < 800 V | < 900 V | < 1000 V |

| Characteristic                    | Model No. |          |          |          |
|-----------------------------------|-----------|----------|----------|----------|
|                                   | 2061-47   | 2061-60  | 2061-70  | 2061-80  |
| DC Sparkover $\pm 20\%$ @ 100 V/s | 470 V     | 600 V    | 700 V    | 800 V    |
| Impulse Sparkover                 |           |          |          |          |
| 100 V/ $\mu$ s                    | < 900 V   | < 1100 V | < 1200 V | < 1300 V |
| 1000 V/ $\mu$ s                   | < 1100 V  | < 1300 V | < 1400 V | < 1500 V |

|                                       |                        |                  |
|---------------------------------------|------------------------|------------------|
| Insulation Resistance (IR) NOTE 1     | 100 / 250 Vdc          | > 1 G $\Omega$   |
| 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     | 60,000 A, 8/20 $\mu$ s | 1 operation      |
|                                       | 40,000 A, 8/20 $\mu$ s | 5 operations     |
| Nominal Alternating Discharge Current | 40 A, 50 Hz, 1 second  | 1 operation      |
|                                       | 200 A, 9 cycles        | 1 operation      |
| Impulse Life                          | 500 A, 10/1000 $\mu$ 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 E153537.
- At delivery AQL 0.65, level II DIN ISO 2859

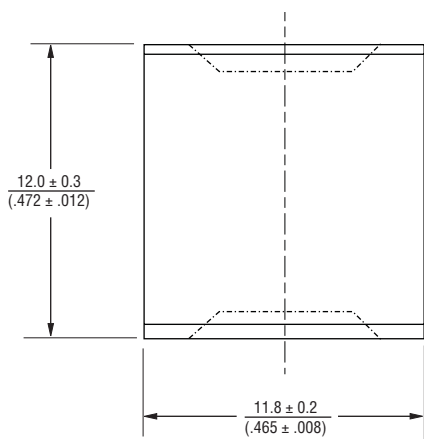
|         |                             |                             |
|---------|-----------------------------|-----------------------------|
| Note 1: | <u>DC Sparkover Voltage</u> | <u>IR Measuring Voltage</u> |
|         | 230–400 V                   | 100 V                       |
|         | 420–800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

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

## 2061 Series High-Current 2-Electrode Gas Discharge Tube

**BOURNS®**

### Product Dimensions



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

### How to Order

Model Number Designator **2061 - 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 - 60 pcs./tray (Standard)

RoHS Compliancy

LF = RoHS Compliant Product

### Packaging Specifications

Model 2061 ships standard bulk, 60 pcs. per tray.; 180 pcs. per box.

**BOURNS®**

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Specifications are subject to change without notice.  
Customers should verify actual device performance in their specific applications.