

Features

- Size: 8 mm diameter, 6 mm length
- Low capacitance
- High insulation resistance
- RoHS compliant*
- ** UL Recognized

Additional Information

Click these links for more information:







INVENTORY SAMPLES



2045 Series Medium Duty 2-Electrode Gas Discharge Tube

Characteristics

Test Methods per ITU-T (CCITT) K.12 and IEEE C62.31.

| Characteristic | Model No. | | | | | | |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|
| | 2045-07 | 2045-09 | 2045-12 | 2045-13 | 2045-14 | 2045-23 | |
| DC Sparkover ±30 % @ 100 V/s | 75 V | 90 V | 120 V | 130 V | 145 V | 230 V | |
| Impulse Sparkover (1) 100 V/µs 1000 V/µs | < 500 V < 600 V | < 500 V < 600 V | < 500 V < 700 V | |

| Characteristic | Model No. | | | | | |
|--|--------------------|--------------------|--------------------|---------------------|---------------------|--|
| Characteristic | 2045-25 | 2045-30 | 2045-35 | 2045-40 | 2045-47 | |
| DC Sparkover ±30 % @ 100 V/s | 250 V | 300 V | 350 V | 400 V | 470 V | |
| Impulse Sparkover (1) 100 V/µs 1000 V/µs | < 500 V < 700 V | < 700 V < 900 V | < 700 V < 900 V | < 800 V < 1000 V | < 900 V < 1100 V | |

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

| | 50 / 100 / 250 Vdc 10 mA | |
|---------------------------------|-----------------------------|------------------|
| Arc Voltage | 1 A | . ~ 10 V |
| Glow-Arc Transition Current | | .<1 A |
| Maximum Capacitance | 1 MHz | . < 1.5 pF |
| Impulse Discharge Current | 15,000 A, 8/20 μs | . 1 operation |
| | 10,000 A, 8/20 μs | . 10 operations |
| Alternating Discharge Current | 5 A, 50 Hz, 1 second | . 1 operation |
| | 65 A, Single, 9 cycles | . 1 operation |
| Impulse Life | 100 A 10/1000 µs | . 500 operations |
| Storage Temperature | | 40 to +150 °C |
| Operating Temperature | | 30 to +85 °C |
| DC Holdover Voltage (3) | | . < 150 ms |
| 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.

DC Breakdown Voltage DC Measuring Voltage

75-90 V 50 V 120-400 V 100 V 250 V 470

DC Breakdown Voltage DC Holdover Voltage

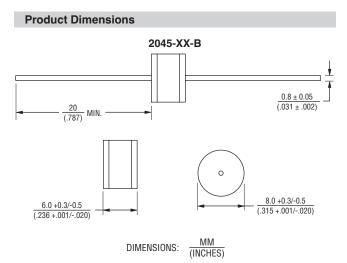
75-145 V 230 V 80 V 250 V 135 V 300-470 V 150 V

Applications

- Telecommunications equipment
- Industrial equipment/electronics
- Consumer electronics

2045 Series Medium Duty 2-Electrode Gas Discharge Tube

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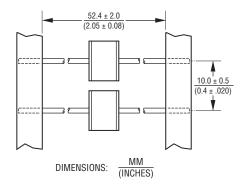
Note: Custom leadforms available - please contact Bourns for details.

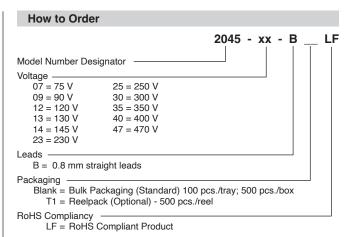
Packaging Specifications

Model 2045-xx-BLF ships standard bulk pack, 100 pieces per tray; 5 trays per box (500 units).

The reelpack (-BT1LF) contains 500 pieces per reel. Reel is 330 mm in diameter and 68 mm wide. Two reels per box (1K units).

2045-XX-BT1LF - 0.8 mm (0.032 in.) dia. lead wire





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