

Features

- Size: 12.7 mm diameter, 12.7 mm length
- Long service life
- High surge current rated
- Low capacitance and insertion loss
- Tube with contact terminals available
- RoHS compliant* versions available
- ¶ UL Recognized

Applications

- Telecommunications equipment
- Industrial equipment/electronics

2047 Series High Current 2-Electrode Gas Discharge Tube

Characteristics

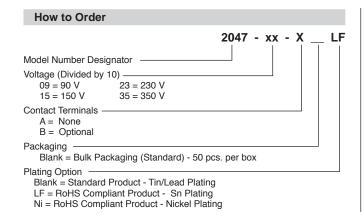
Test Methods per ITU-T K.12, IEEE C62.31 and IEC 61643-311 GDT standards.

Characteristic	Model No.			
	2047-09	2047-15	2047-23	2047-35
DC Sparkover ±20 % @ 100 V/s (1)	90 V	150 V	230 V	350 V
Impulse Sparkover (2)				
100 V/µs Typical / For 99 % of Values	350 / 450 V	350 / 450 V	450 / 500 V	475 / 550 V
1000 V/µs Typical / For 99 % of Values	600 / 650 V	550 / 600 V	600 / 650 V	725 / 800 V

Glow Voltage	50 V / 100 V	~ 80 V
	@ 2 A	
	1 MHz	
	40,000 A, 8/20 µs (1)	
	$>$ 4,000 A, 10/350 μ s ⁽¹⁾	> 10 operations
	> 8,000 A, 10/350 µs	> 1 operation
	> 1,000 A 10/1000 µs	
Alternating Discharge Current	> 20 A, 1 sec	> 20 operations
	> 40 A, 1 sec	
	> 200 A, 11 cycles	1 operation min.
Operating and Storage Temperature,		-40 to +90 °C
Moisture Sensitivity Level		1

Notes:

- At delivery AQL 0.65, level II DIN ISO 2859.
- · UL Recognized component, UL File E153537.
- (1) DC Sparkover may exceed ±25 % after discharge, but will continue to protect without venting.
- (2) Impulse Sparkover voltage is defined as typical values of distribution.



MANUFACTURER'S TRADEMARK DATE CODE (FIRST TWO DIGITS = MONTH; NEXT TWO DIGITS = YEAR) PART IDENTIFICATION VOLTAGE

Specifications are subject to change without notice.

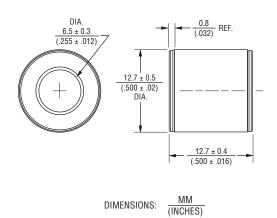
^{*}RoHS Directive 2015/863, Mar 31, 2015 and Annex.

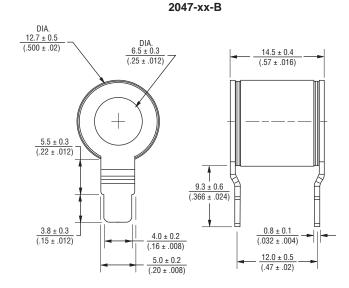
2047 Series High Current 2-Electrode Gas Discharge Tube

BOURNS

Product Dimensions

2047-xx-A





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