




## Features

- Leadless, surface mount for economical assembly
- Compact mini-size
- Low capacitance and insertion loss
- RoHS compliant\*
-  UL Recognized

## 2055 Series Gas Discharge Tube Surge Protector

Bourns offers a low-cost surface mount (SM) 2-electrode GDT surge protection device. The 2055 Series is ideal for broadband protection due to its ultra-low capacitance. The 2055 Series offers superior protection characteristics suitable for telecommunications, commercial and industrial applications.

### Characteristics

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

Characteristic	Model No.					
	2055-23	2055-25	2055-30	2055-35	2055-40	2055-60
DC Sparkover $\pm 20\%$ @ 100 V/s	230 V	250 V	300 V	350 V	400 V	600 V
Impulse Sparkover						
100V/ $\mu$ s	450 V	450 V	500 V	600 V	600 V	800 V
1000V/ $\mu$ s	550 V	550 V	600 V	750 V	700 V	900 V

Insulation Resistance (IR) .....	100 V .....	> $10^{10} \Omega$
Glow Voltage .....	10 mA .....	~ 80 V
Arc Voltage .....	>2 A .....	~ 12 V
Glow-Arc Transition Current .....		< 1 A
Capacitance .....	1 MHz .....	0.6 pF typical
DC Holdover Voltage <sup>1</sup> .....	>150 V .....	< 150 ms
Impulse Discharge Current .....	2500 A, 8/20 $\mu$ s .....	10 operations
	100 A, 10/1000 $\mu$ s .....	> 300 operations
	10 A, 10/1000 $\mu$ s .....	> 1500 operations
Alternating Discharge Current .....	10 Arms, 9 cycles .....	1 operation min.
	2.5 Arms, 1 sec, 50 Hz .....	10 operations
Operating Temperature .....		-30 to +85 °C

### Notes:

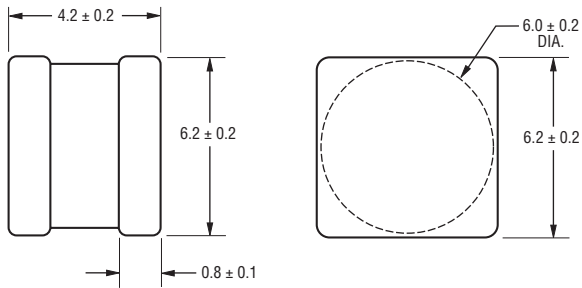
- **UL Recognized component, UL File E153537.**
- At delivery AQL 0.65 Level II, DIN ISO 2859.

<sup>1</sup> Network applied.

# 2055 Series Gas Discharge Tube Surge Protector

**BOURNS®**

## Product Dimensions

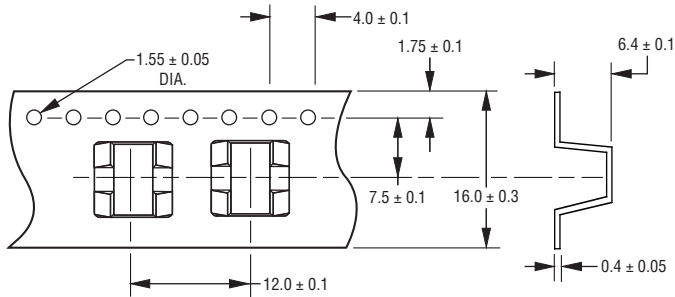


DIMENSIONS: MILLIMETERS

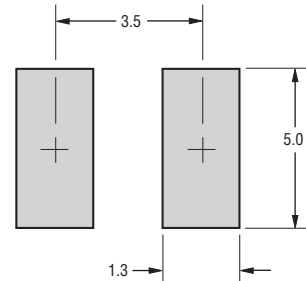
## Packaging Specifications

The Model 2055-xx-SM ships standard bulk pack, 100 pieces per bag, 500 pieces per box.

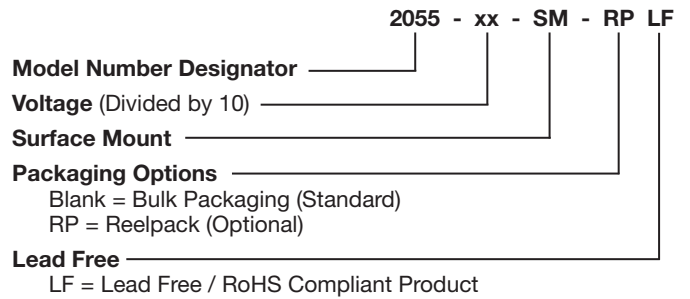
The optional reelpack (-RP) contains 800 pieces per reel, 2,400 pieces per box. Reel is 330 mm in diameter and 16 mm wide.



## Recommended Pad Layout



## How To Order



### Asia-Pacific:

TEL +886- (0)2 25624117 • FAX +886- (0)2 25624116

### Europe:

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### The Americas:

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[www.bourns.com](http://www.bourns.com)

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