




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/ μ s	450 V	450 V	500 V	600 V	600 V	800 V
1000V/ μ 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 ¹	> 150 V	< 150 ms
Impulse Discharge Current	2500 A, 8/20 μ s	10 operations
	100 A, 10/1000 μ s	> 300 operations
	10 A, 10/1000 μ 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:

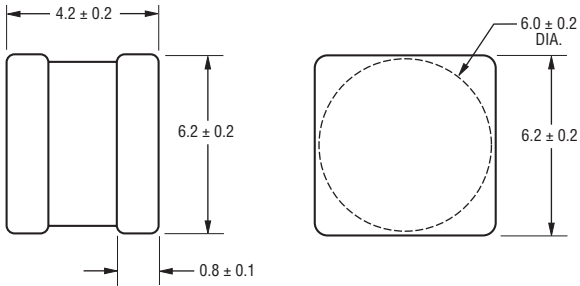
- **UL Recognized component, UL File E153537.**
- At delivery AQL 0.65 Level II, DIN ISO 2859.

¹ Network applied.

2055 Series Gas Discharge Tube Surge Protector

BOURNS®

Product Dimensions

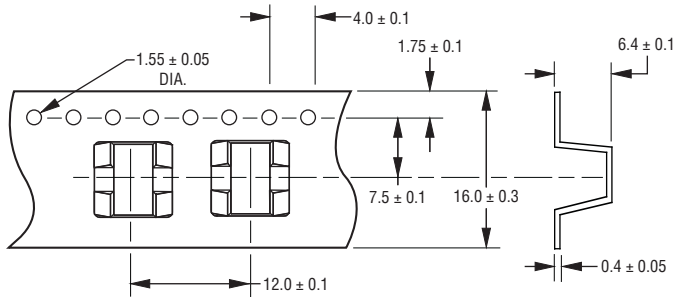


DIMENSIONS: MILLIMETERS

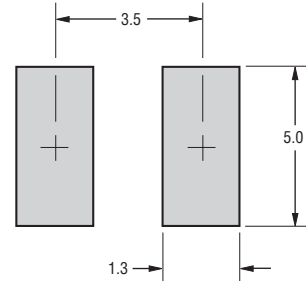
Packaging Specifications

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

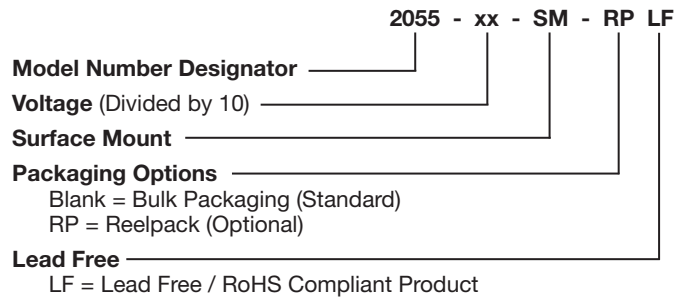
The optional reelpack (-RP) contains 800 pieces per reel, 2,400 pieces per box. Reel is 330 mm in diameter and 16 mm wide.



Recommended Pad Layout



How To Order



Asia-Pacific:

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