

Features

- Surface mount
- Compact mini-size - 5 x 7.2 mm
- Economical
- Low capacitance and insertion loss
- UL Recognized 
- RoHS compliant*

2054 Series Surface Mount Gas Discharge Tube Surge Protector

Bourns offers a low-cost, 3-electrode surface mount GDT surge protection device. The 2054 Series is ideal for broadband protection due to its ultra-low capacitance. The 2054 Series offers superior protection characteristics suitable for telecommunications, commercial and industrial applications.

Characteristics

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

Characteristic	Model No.				
	2054-23	2054-30	2054-35	2054-42	2054-47
DC Sparkover $\pm 20\%$ @ 100 V/s	230 V	300 V	350 V	420 V	470 V
Impulse Sparkover					
100 V/ μ s	550 V	700 V	700 V	800 V	800 V
1000 V/ μ s	650 V	800 V	800 V	900 V	900 V

Insulation Resistance (IR)	100 V	> 10 ⁹ Ω
Capacitance	1 MHz	2.0 pF maximum
DC Holdover Voltage ¹	>135 V (80 V for 2054-23)	< 150 ms
Impulse Discharge Current.....	5000 A, 8/20 μ s	5 operations
	200 A, 10/1000 μ s	100 operations
Alternating Discharge Current	5 Arms, 1 sec., 50 Hz	1 operation minimum
Operating Temperature.....		-30 to +85 °C

Notes:

- **UL Recognized component, UL File E153537.**
 - Line to Line voltage is approximately 1.8 to 2 times the stated Line to Ground voltage.
 - The rated discharge current is the total current equally divided between each line to ground.
1. Network applied.

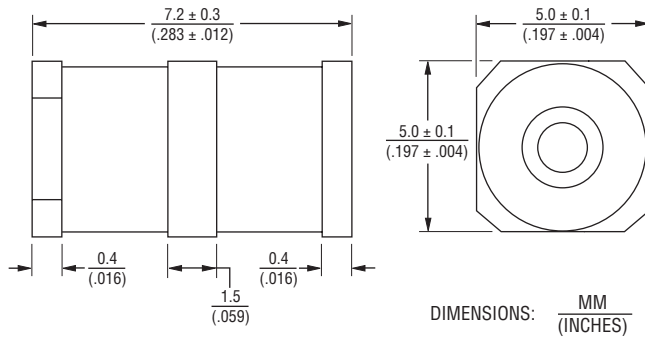


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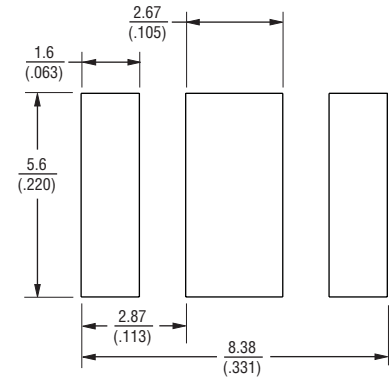
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Product Dimensions

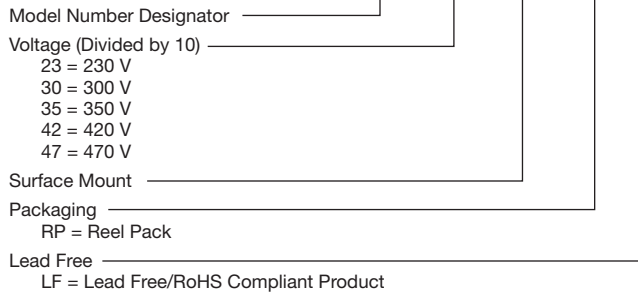


Recommended Pad Layout



How to Order

2054 - xx - SM - RP LF



Packaging Specifications

Model 2054-xx-SM-RPLF (Reel Pack) contains 900 pieces per reel, 2,700 pieces per box. The reel is 330 mm in diameter and 18 mm wide.

