

Features

- Bourns[®] FLAT[®] GDT technology
- Flexible mounting options
- Volume- and space-saving design
- Improved impulse performance
- 10 kA 8/20 µs rated
- **91** Recognized per UL 497B (File: E153537)

■ RoHS compliant*

Applications

- Telecom CPE
- Industrial Communications
- Surge Protective Devices
- High density PCB assemblies

2017 Series Gas Discharge Tube Surge Arrestor with FLAT® Technology

Description

Bourns sets a new industry standard by offering this 2-electrode Gas Discharge Tube (GDT) in an innovative flat package design. The Model 2017 Series with FLAT® Technology provides a volume and space-saving solution for high density and space-restricted PCB applications. Surface mount versions are available in vertical and horizontal mounting configurations.

Characteristics

Test Methods per ITU-T (CCITT) K.12 Class 3 and IEC 61643-311

Characteristic	Model No.					
	2017-09	2017-15	2017-23	2017-35	2017-42	2017-50
DC Sparkover ±20 % @ 100 V/s (1)	90 V	150 V	230 V	350 V	420 V	500 V
DC Sparkover End-of-Life Values (2)						
Maximum (99 % of values)	<120 V	<195 V	<300 V	<455 V	<550 V	<650 V
Minimum (99 % of values)	>65 V	>110 V	>170 V	>260 V	>360 V	>400 V
Impulse Sparkover Voltage (3)						
100 V/µs Typical /						
For 99 % of Values	350 / <450 V	400 / <550 V	450 / <600 V	600 / <750 V	700 / <850 V	750 / <950 V
1 kV/μs Typical /						
For 99 % of Values	600 / <800 V	600 / <850 V	700 / <950 V	800 / <1000 V	900 / <1050 V	950 / <1200 V

Glow Voltage Arc Voltage Capacitance		~70 V ————————————————————————————————————
Operating Temperature Storage Temperature Climatic Category (IEC 60068-1) Pushover Strength (4) Moisture Sensitivity Level	10 Arms, 1 s	

Notes:

UL Recognized component, UL File E153537

- (1) In ionized mode.
- (2) IR after life >10 8 Ω .
- (3) At delivery AQL 0.65 Level II, DIN ISO 2859.
- (4) Pushover Strength test performed on a board-mounted Model 2017-xx-SMC (Vertical Mount).



WARNING Cancer and Reproductive Harm

www.P65Warnings.ca.gov

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

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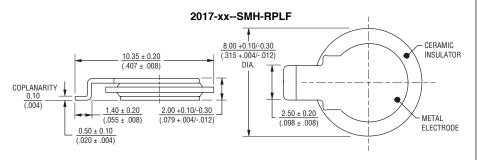
Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

How to Order 2017 - xx - xxx - RP LF Series Designator 2017 = 2-electrode GDT with FLAT8 Technology, 10 kA 8/20 μ s rated Voltage (Divided by 10) 09 = 90 V23 = 230 V 42 = 420 V35 = 350 V 15 = 150 V 50 = 500 V Configuration -SMH = Horizontal Mount SMD SMC = Vertical Mount SMD Packaging RP = Reelpack (Standard) RoHS Compliancy LF = RoHS Compliant Product

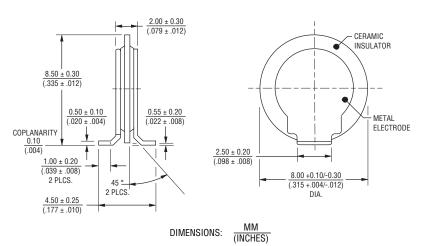
2017 Series Gas Discharge Tube Surge Arrestor with FLAT® Technology

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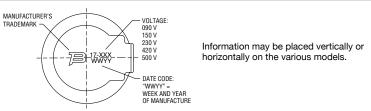
Product Dimensions



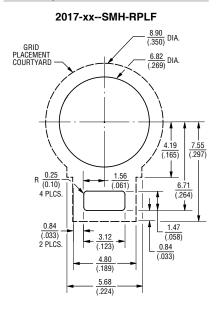
2017-xx-SMC-RPLF

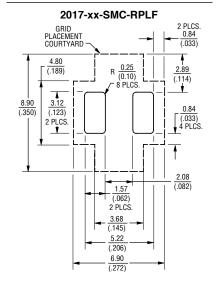


Typical Part Marking



Pad Layouts





DIMENSIONS: $\frac{MM}{(INCHES)}$

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Packaging Specifications

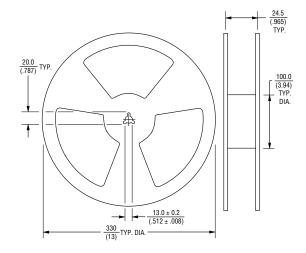
Model 2017-xx-SMC-RPLF: The standard tape and reel packaging

contains 500 pieces per 13-inch reel.

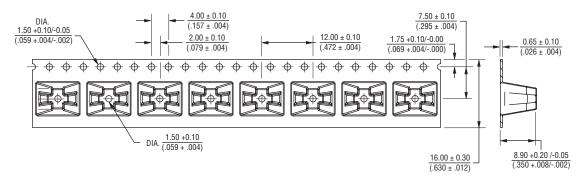
Model 2017-xx-SMH-RPLF: The standard tape and reel packaging

contains 2,000 pieces per 13-inch reel.

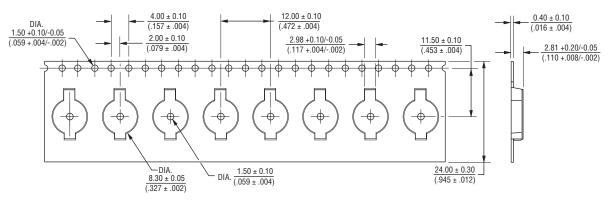
MM DIMENSIONS: (INCHES)



2017-xx-SMC-RPLF



2017-xx-SMH-RPLF



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