

## **Bourns Expands Innovative Line of Volume, Space-saving FLAT® GDT Devices**

*New Model 2018 3-Electrode FLAT® GDTs Feature Large Flat Top Surface and Lighter Weight Making Them Ideal for High-Speed Pick and Place Manufacturing*

**Taipei, December 29, 2017** - Bourns, Inc., a leading manufacturer and supplier of electronic components, recently expanded its standard-setting line of volume and space saving FLAT® gas discharge tube (GDT) surge arrestors. The Model 2018 Series FLAT® GDT is a 3-electrode device that delivers a low profile solution for high density and height-restricted PCB-based applications.



Bourns® Model 2018 FLAT® GDTs

The new series is lighter weight with a 50% height reduction compared to standard 8 mm Bourns® GDTs. Bourns designed this latest series as a surface mount device with a large top flat surface, making it ideal for vacuum head pickup in today's high-speed pick and place manufacturing.

The Bourns® FLAT® GDT Model 2018 is an ITU K.12 Class III device rated at 20 kA<sup>1</sup> on an 8/20  $\mu$ s waveform. The series is offered with DC breakdown voltages ranging from 90 to 500 V and features an innovative flat design that reduces the height of the Bourns® GDT from a typical 8 mm to a low profile of 3.5 mm.

“Besides saving valuable PCB space, these new 3-electrode FLAT® GDT devices help to reduce component count in space-constrained designs. The series provides the ability to protect both Line to Ground and Line to Line with a single Model 2018 FLAT® GDT, which previously required two GDTs,” said Kurt Wattlelet, product line manager at Bourns, Inc. “As a 3-electrode GDT, transverse voltage limiting performance is

enhanced with the ability to share a common center electrode designed to allow both sides of the GDT to turn on quickly resulting in balanced operation.”

### **Pricing and Availability**

The new Bourns® FLAT® GDT Model 2018 Series is available now and is RoHS compliant\*. As a pricing reference, the Model 2018 Series is priced at \$0.98 each in 100 piece quantities. For additional product specifications, please go to: [http://www.bourns.com/products/circuit-protection/gas-discharge-tube-\(gdt\)-surge-arrestors/3-electrode-gdts/flat-series-3-electrode](http://www.bourns.com/products/circuit-protection/gas-discharge-tube-(gdt)-surge-arrestors/3-electrode-gdts/flat-series-3-electrode)

### **About Bourns**

Bourns, Inc. is a leading manufacturer and supplier of position and speed sensors, circuit protection solutions, magnetic components, microelectronic modules, panel controls and resistive products. Headquartered in Riverside, California, USA, Bourns serves a broad range of markets, including automotive, industrial, consumer, communications, non-critical life support medical, audio and various other market segments. Additional company and product information is available at [www.bourns.com](http://www.bourns.com).

<sup>1</sup> total current rating through center electrode, half value each line to center electrode

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

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