



NEW PRODUCT RELEASE

GAS DISCHARGE TUBES



Bourns Introduces Next-Generation Gas Discharge Tubes Achieving State-of-the-Art Performance

Model GDT25 Series

Riverside, California – January 6, 2021 – Bourns is introducing its new and performance innovating series of 2-electrode Gas Discharge Tubes (GDTs). The [Model GDT25](#) next-generation series continues Bourns' legacy of quality, innovation and design in GDT overvoltage surge arrestors and sets a new standard in speed and robustness.

This latest generation GDT provides significant improvements in protection from voltage transients caused by lightning or accidental contact with AC power lines. With improvements driven by computer modeling simulations, the Model GDT25 next-generation series provides an enhanced level of voltage limiting during fast rising events resulting in reduced stress on downstream components. In addition, the new series has superior current handling capabilities and a wide operating temperature range.

The low capacitance and low insertion loss make the new series an ideal solution for the protection of industrial communications, and high speed information and communication technology (ICT) equipment. The new series is RoHS compliant* and UL recognized.

Bourns is also pleased to announce the release of the new [GDT25 Design Kit](#) - part number DK-GDT25-01. This new design kit contains five pieces of each GDT25 model to provide design engineers with protection solutions for quick-turn prototype testing.

Features

- 75 V - 600 V breakdown voltages
- -55 °C to +125 °C operation
- Fast response time
- High surge current rating
- Low capacitance and insertion loss
- Stable performance throughout life
- Design kit available for quick-turn prototype testing
- UL recognized 
- RoHS compliant*

Applications

- Set top boxes
- Industrial communications
- HVAC controls
- xDSL, POTS, G.Fast
- Antennae

Please visit the Bourns website at [www.bourns.com/products/circuit-protection/gas-discharge-tube-\(gdt\)-surge-arrestors/2-electrode-gdts/](http://www.bourns.com/products/circuit-protection/gas-discharge-tube-(gdt)-surge-arrestors/2-electrode-gdts/) for details on Bourns® 2-Electrode GDTs. If you have any questions, please contact [Bourns Customer Service/Inside Sales](#).

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.