

Featured Products Bulletin

CIRCUIT PROTECTION



Bourns Releases New FLAT™ Gas Discharge Tube Surge Arrestor Model 2015

Riverside, California - December 1, 2014 - Bourns is pleased to announce the release of the [Model 2015 Series](#) Gas Discharge Tube (GDT) Surge Arrestor with FLAT™ Technology. Bourns sets a new industry standard by offering a 2-electrode GDT in an innovative flat-package design. Bourns® FLAT™ technology delivers a low profile solution for high density and height-restricted PCB applications.

The Model 2015 Series is an ITU K.12 Class II device rated at 5 kA on an 8/20 μ s waveform. The series is offered with DC breakdown voltages ranging from 90 to 600 V and is available in horizontal and vertical surface mount versions as well as a leadless design for cartridge or clamp fit applications.

The new series features an innovative horizontal SMD design that accomplishes a 66 % height savings compared to a standard 5 mm Bourns® GDT. When compared to an 8 mm Bourns® GDT, the Model 2015 provides a 75 % savings in volume. When vertically mounted, the Model 2015 series is capable of supporting approximately twice the number of GDTs in the same board space as compared to similar board space using surface mount 8 mm GDTs.

Benefits

- Horizontal design provides a significant height savings vs a Bourns® standard 5 mm GDT
- Devices do not impact signal or system operation
- Voltage limiting suitable for sensitive equipment
- Long term reliability and performance
- Flexible mounting options including bottom-side PCB
- RoHS compliant*

Features

- Compact, space-saving design
- Robust surge current ratings
- Stable performance over life
- Low leakage and insertion loss
- Constant capacitance regardless of voltage
- Low arc voltage
- Wide range of voltages (90 to 600 V)

Applications

- Telecom Customer Premises Equipment (CPE)
- Industrial Communications
- Surge Protective Devices
- High density PCB assemblies