

Featured Products Bulletin

GAS DISCHARGE TUBES



Bourns Releases New Gas Discharge Tube 2030 T-Series

Riverside, California - May 22, 2012 - Bourns is pleased to announce the release of the [Model 2030 T-Series](#) fast response Gas Discharge Tubes (GDTs) designed for use with the Bourns® TBU® High-Speed Protectors (HSPs).

The newly released part numbers and specifications are:


Part Number	DCBD	Size	5 kV 1.2 x 50 μ s Impulse Voltage	Used with TBU® HSP Series
2030-23T	185 V	5 x 7.3 mm	650 V	TBU-CA065
2030-42T	360 V	5 x 7.3 mm	850 V	TBU-CA085

The 2030 T-Series is a three element GDT that provides superior protection against fast rising voltage transients. GDTs on the market today commonly specify their impulse limiting performance at a 1k v/ μ s rate of rise. The T-series specifies its impulse limiting performance at a very fast 5 kV, 1.2 x 50 μ s making it ideally suited for use with the TBU® HSP.

The 2030 T-Series and TBU® HSP provide a superior protection solution for a broad number of industrial applications as well as telecom applications requiring GR-1089 or ITU-T K.21 compliance. These GDT devices provide coordinated overvoltage protection for the specified TBU® HSP protector models shown in the above table. Together, the GDT and TBU® High-Speed Protectors

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Features

- Size: 5 mm diameter, 7.3 mm length
- Very fast acting
- Small size
- Stable breakdown throughout life
- Designed to operate with TBU® devices
- RoHS compliant* versions available
-  UL Recognized

Applications

- Telecommunications
- Industrial electronics
- Avionics

provide extremely fast overcurrent protection (OCP) and overvoltage protection (OVP) against electrical transients. When exposed to a transient event, the TBU® HSP will transition into a current-blocking condition in less than one microsecond at the rated current. When needed, the GDT will transition into conduction at a voltage below its maximum impulse rating, protecting the TBU® HSP from overvoltage and shunting the excess surge energy to ground. Once the transient subsides, the GDT and TBU® HSP will reset to their normal off-state modes of operation.

The new models are available as RoHS compliant. The product data sheets with detailed specifications can be viewed on the Bourns website at www.bourns.com. Please contact your local [Bourns Representative](#) or [Bourns Customer Service](#) for samples or for further information.