

Featured Products Bulletin

GAS DISCHARGE TUBES



Bourns Releases New Gas Discharge Tube Model 2020 T Series

Riverside, California - TO BE RELEASED MARCH 4, 2011 - Bourns is pleased to announce the release of the 2020 T Series *fast response* Gas Discharge Tubes (GDTs) designed for use with Bourns® TBU® High-speed Protectors.

The newly released part numbers and specifications are:

Part Number	DCBD (V)	Size (mm)	5 kV/ μ s Impulse Voltage (V)	Used with TBU® Series
2020-15T	60	8 x 11.2	500	TBU-CA050
2020-23T	180		650	TBU-CA065
2020-42T	360		850	TBU-CA085

The 2020 T Series and Bourns® TBU® High-speed Protectors are an ideal protection solution for a broad number of industrial applications as well as telecom applications requiring GR-1089 or ITU-T K.21 compliance. The Bourns® 2020 T Series is also available with an optional fail-short mechanism for applications requiring UL safety standard compliance.

These GDT devices provide coordinated overvoltage protection for the specified TBU® protector models shown in the above table. Together, the GDT and TBU® protectors provide extremely fast overcurrent protection (OCP) and overvoltage protection (OVP) against electrical transients. When exposed to a transient event, the TBU® protector 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® device from overvoltage and shunting the excess surge energy to ground. Once the transient subsides, the GDT and TBU® device 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.

Features

- Fast acting
- Balanced
- Stable breakdown throughout life
- Designed to operate with TBU® devices
- RoHS compliant* versions available

Applications

- Telecommunications
- Industrial electronics
- Avionics

*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.

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