

# Featured Products Bulletin

## GAS DISCHARGE TUBES



### Bourns Releases New Gas Discharge Tube Model 2031 T Series

Riverside, California - December 7, 2010 - Bourns is pleased to announce the release of the [2031 T Series fast response Gas Discharge Tube](#) (GDT) designed for use with the Bourns® TBU® (Transient Blocking Unit) high speed protector. The newly released part numbers and specifications are:

Part Number	DCBD (V)	Size (mm)	5 kV/ $\mu$ s Impulse Voltage (V)	Used with TBU® Series
2031-15T-SM	150	5 x 4.4	450	<a href="#">TBU-CA050</a>
2031-23T-SM	230	5 x 4.4	650	<a href="#">TBU-CA065</a>
2031-42T-SM	420	5 x 4.4	850	<a href="#">TBU-CA085</a>

These devices provide coordinated overvoltage protection for the specified TBU® protector models shown in the above table. Together, these GDTs and TBU® protectors provide extremely fast overcurrent protection (OCP) and overvoltage (OVP) protection against electrical transients. The TBU® protector will transition to a current-blocking condition in less than one microsecond at the rated current. If needed, the GDT will transition into conduction at a voltage below its maximum impulse rating, protecting the TBU® device from overvoltage and shunting the surge energy to ground. These solutions provide unparalleled speed of protection compared to other standard OVP/OCP protection schemes.

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

#### Features

- Fast acting
- Small size
- Stable breakdown throughout life
- Designed to operate with TBU® devices
- RoHS compliant\* versions available
- UL Recognition pending

#### Applications

- Telecommunications
- Industrial electronics
- Avionics

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

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