

New Product Release

GAS DISCHARGE TUBES



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Bourns Releases New Gas Discharge Tube Model 2030 T-Series

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 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.