



NEW PRODUCT RELEASE

GAS DISCHARGE TUBES

ADVANCE NOTICE



Bourns Releases New High Energy GDTs

Model GDT212E, GDT216E, GDT220E and GDT225E Series

Riverside, California – **September 1, 2023** – Bourns is pleased to announce the release of four new high energy GDT series – the Model GDT212E, GDT216E, GDT220E and GDT225E.

These new high energy models are tested per ITU-T K.12 method and are UL recognized GDT devices. They offer a high surge capability rated on an 8/20 μ s waveform with a broad range of DC breakdown voltages as shown in the table below.

Series	DC Breakdown Voltage	Voltage Types	Maximum Impulse Discharge Current (8/20 μ s)	
			I_{max} (1 Time)	I_n (10 Times)
GDT212E	230 V to 800 V	10	40 kA	30 kA
GDT216E	500 V to 800 V	3	40 kA	20 kA
GDT220E	150 V to 1000 V	11	60 kA	40 kA
GDT225E	500 V to 800 V	3	80 kA	60 kA

The new GDT2xxE Series feature an innovative low profile, providing a volume and space-saving solution for high density and space-restricted PCB applications. This device is available in a variety of lead shapes to fit various configuration requirements.

Please visit the Bourns website at [https://www.bourns.com/products/circuit-protection/gas-discharge-tube-\(gdt\)-surge-arrestors/2-electrode-gdts](https://www.bourns.com/products/circuit-protection/gas-discharge-tube-(gdt)-surge-arrestors/2-electrode-gdts) for details on Bourns® 2-Electrode GDTs. If you have any questions, please contact Bourns Customer Service/Inside Sales.

Features

- Fast response time
- Wide temperature range
- High surge current rating
- Low capacitance and insertion loss
- Stable performance throughout life
- Small surface mount package
- RoHS compliant*

Applications

- Surge Protective Devices (SPDs)
- Power systems
- Industrial equipment

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

GDT2313