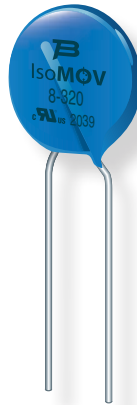




NEW PRODUCT RELEASE

CIRCUIT PROTECTION PRODUCTS



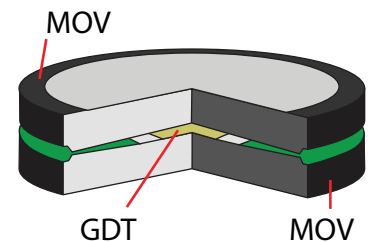
IsoMOV™

Bourns Introduces the IsoMOV™ Hybrid Protector - a Fully Integrated MOV and GDT Device

Model IsoM3, IsoM5 and IsoM8 Series

Riverside, California – July 21, 2021 – Bourns is pleased to announce its new [lineup](#) of IsoMOV™ technology hybrid overvoltage surge protectors. With their integrated gas discharge tube structure and extended temperature range, the IsoMOV™ hybrid protection components promise better [reliability](#) and longer life in certain harsh environments. The IsoMOV™ component family continues Bourns' legacy of quality, innovation and design in overvoltage surge arrestors and sets a new standard of robustness in each size class. The lineup includes three series of devices; Model IsoM3, IsoM5 and IsoM8. With nominal surge ratings of 3 kA, 5 kA and 8 kA, these revolutionary new protectors offer performance usually found in larger traditional MOV devices.

Using proprietary computer-aided design techniques to model performance, Bourns engineers have combined its [revolutionary](#) EdgMOV™ technology, which greatly reduces typical MOV edge failures, with a unique integrated structure to create a device with the equivalent function of a discrete MOV and GDT in series. The result is a familiar radial disk MOV package that is only slightly thicker and of substantially smaller diameter than similarly rated conventional devices.



Compared to conventional MOV devices, the IsoMOV™ hybrid protectors feature much lower leakage across their extended temperature range resulting in an extended product life as leakage currents are known to age MOV devices. The series combination of MOV and GDT devices is also tolerant of AC line voltage swells. Additionally, the combination yields a device with low capacitance. This means low insertion loss making this new series an ideal [solution](#) for the protection of industrial communications, power line communications and high-speed information and communication technology (ICT) equipment. The new series is RoHS compliant* and UL listed as a UL 1449 Type 4 Component Assembly.

GDT2102

Bourns is also pleased to announce the release of the new IsoMOV™ Hybrid Protection Component [Design Kits](#) featuring samples of various sized parts in three voltage ranges. This new design kits provide design engineers with protection solutions for quick-turn prototype testing.

Features

- AC voltage ratings 175 V - 555 V
- Nominal surge ratings 3 kA – 5 kA – 8 kA
- -40 °C to +125 °C operation
- Low leakage current
- Low capacitance and insertion loss
- Stable performance throughout life
- Design kit available for quick-turn prototype testing
- UL Listed UL 1449 Type 4 CA
- RoHS compliant*

Applications

- [Critical AC power applications](#)
- White goods
- Motor drives
- AC inverters
- LED lighting and signage
- [Surge Protective Devices \(SPDs\)](#)

Please visit the Bourns website at www.bourns.com/products/circuit-protection/isomov for additional details on Bourns® IsoMOV™ Hybrid Overvoltage Protectors. If you have any questions or need additional information, please feel free to contact [Customer Service/Inside Sales](#).

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.
"IsoMOV" and "EdgMOV" are trademarks of Bourns, Inc.