



Bourns Introduces EdgMOV™ Disc Varistors

Breakthrough Surge Protection Performance in a Space-Saving Design

Riverside, California – January 3, 2024 – Bourns is pleased to announce its new [Model EV Series EdgMOV™ High Surge Disc Varistors](#) with superior nominal and surge current capabilities. With nominal surge ratings of 1.5 kA, 3 kA, 5 kA and 8 kA for model sizes 7, 10, 14 and 20 mm respectively, these new offerings allow for replacement of standard conventional MOV devices with one form factor smaller Model EV Series EdgMOV™ varistors:

EdgMOV™ Varistor vs. Standard MOV Benchmark
Nominal Current Capability - $15 \times I_n$ (A)

Device	Model Size			
	7 mm	10 mm	14 mm	20 mm
Standard MOV	500	1500	3000	5000
EdgMOV™ Varistor	1500	3000	5000	8000

For more information on Bourns® EdgMOV™ Disc Varistors, check out our additional available resources through these helpful links:

- [Product Guide: Bourns® MOV, MLV and Hybrid Components](#)
- [Brochure: Bourns® Varistor Components](#)
- [New Product Brief: Bourns® EdgMOV™ Disc Varistors](#)
- [Cross Reference Guide: Bourns® EdgMOV™ Disc Varistors](#)
- [White Paper: How a New Varistor Design Improves Circuit Protection Performance and Saves Space](#)
- [White Paper: Tips on Selecting the Right MOV Surge Suppressor](#)
- [White Paper: Specifying Bourns Surge Protection Components for UL/IEC 62368-1 Compliance](#)
- [Selection Guide: Overvoltage Protection Components for AC Power Lines](#)
- [Product Training Module: EdgMOV™ Disc Varistors](#)

KV2303

Please visit the Bourns website at www.bourns.com/products/circuit-protection/varistor-products/through-hole for additional details on Bourns® EdgMOV™ Disc Varistors. If you have any questions, please feel free to contact [Bourns Customer Service/Inside Sales](#).

Features

- AC voltage rating 150 V to 550 V
- Model sizes 7, 10, 14 and 20 mm
- Nominal surge ratings 1.5 kA, 3 kA, 5 kA, 8 kA
- Operating temperature -40 °C to +105 °C
- UL listed
- RoHS compliant*

Applications

- White goods
- Smart meters
- LED lighting
- Fire alarm systems
- Power supplies
- Motor drives

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