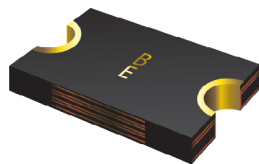




PRODUCT EXTENSION RELEASE

MULTIFUSE® PPTC RESETTABLE FUSES



Bourns Multifuse Product Line Announces the Expansion of the MF-MSMF Series High Power PPTC Resettable Fuses

Riverside, California - July 1, 2025 – The Bourns Multifuse Product Line is excited to introduce the expansion of its [MF-MSMF Series](#) high power surface mount Polymeric Positive Temperature Coefficient (PPTC) resettable fuses. The latest additions broaden the hold current (I_{hold}) ranges up to 2.6 A and increase the maximum voltage (V_{max}) to 60 VDC.




This most recent lineup within the MF-MSMF Series employs Bourns' innovative freeXpansion™ design, elevating the performance of the resettable fuses by incorporating higher hold currents, elevated voltages, enhanced resistance stability, and more compact footprints. These advances cater to various applications, primarily serving as safeguards for low DC voltage ports in USB, HDMI, HDTV, PC, laptop computers, data centers, and portable consumer products. These components are designed to shield against both overcurrent and overtemperature events within the specified parameters of the products.

Series	Size (EIA)	I_{hold} (A)	V_{max} (VDC)	I_{max} (A)	cUL Recognition	TÜV Recognition	RoHS Compliant*	Halogen Free**	PFAS Free
MF-MSMF010/33X ~ MF-MSMF260/12X	1812	0.1 ~ 2.6	6 ~ 60	10 ~ 100	E174545	R50256634	Yes	Yes	Yes

The new MF-MSMF Series is RoHS compliant* and holds UL/CSA/TÜV recognition for meeting safety criteria. The TÜV certifications encompass IEC 62319-1, IEC 60738-1, as well as IEC 60730-1:2013 clause 15, clause 17, and Annex J.

For additional information, please visit the Bourns website at www.bourns.com. Should you have any questions, please feel free to contact [Bourns Customer Service/Inside Sales](#).

Features

- Standard 1812 footprint
- Fast Time-to-Trip (TTT) to protect against overcurrent events
- Excellent solderability with ENIG terminal
- Symmetrical designs and low profile
- RoHS compliant* and halogen free**
- Agency recognition:   
- TÜV approval to the following standards: IEC 62319-1, IEC 60738-1 and IEC 60730-1:2013 clause 15, clause 17 and Annex J

Applications

- Overcurrent and overtemperature protection of automotive electronics (some models)
- Hard disk drives
- PC motherboards
- PC peripherals
- Point-of-sale (POS) equipment
- PCMCIA cards
- USB port protection - USB 2.0, 3.0 & OTG
- HDMI 1.4 Source protection

Additional Information

[DATA SHEET](#)[PRODUCT SELECTOR](#)[TECHNICAL LIBRARY](#)[INVENTORY](#)[SAMPLES](#)[CONTACT](#)

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

** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less

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