

New Product Release

PPTC RESETTABLE FUSES



Bourns Multifuse Product Line Announces New 12 V Rated Series of Low Resistance PPTC Resettable Fuses *Model MF-USML/X Series*

Riverside, California – April 9, 2019 – The Bourns Multifuse Product Line is pleased to announce the introduction of the new 12 V rated [Model MF-USML/X series](#) of low resistance surface mount Polymer Positive Temperature Coefficient (PPTC) resettable fuses. The new series includes I_{hold} current ratings from 1.75 A to 5.5 A at the 12 V maximum rated voltage.

Bourns' low resistance conductive materials used in this new product series have post-trip resistance values as low as 10 mOhms and initial resistance values as low as 1 mOhms. Such low resistance values help boost the current carrying capability of the devices. The new Bourns Model MF-USML550/12-2 can now achieve 5.5 A I_{hold} at 12 Vdc in a space-saving 1210 package.



The compact Model MF-USML/X series utilizes Bourns' innovative freeXpansion™ design that increases the performance of the resettable fuse with:

- Higher hold currents (I_{hold})
- Higher voltages (V_{max})
- Improved resistance stability
- Smaller footprints

The primary applications for these products include Li-ion battery packs, motherboards, and portable consumer electronic I/O port protection. These devices have been designed to protect against both overcurrent and overtemperature events within the designated specifications.

The new Model MF-USML/X Multifuse® PPTC products are RoHS compliant* and UL recognized for safety requirements, and are produced in Bourns' IATF16949 certified facility in Xiamen, China.

Features

- Surface mount packaging for automated assembly
- Small footprint size (1210) and low profile for space-constrained mobile applications
- Ultra-low resistance
- Higher voltage withstand
- RoHS compliant* and halogen free**
- Agency recognition:  

Applications

- Li-ion battery pack protection
- PC and server motherboard protection
- Mobile phone battery and charging protection
- USB port protection
- Power port protection
- Gaming console port protection

For additional information on Bourns® Multifuse® PPTC Resettable Fuses, please visit www.bourns.com/products/circuit-protection/resettable-fuses-multifuse-pptc. Should you have any questions, please feel free to contact [Customer Service/Inside Sales](#).

*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.