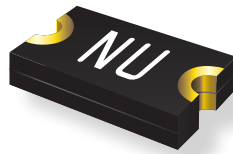


Product Extension Release

MULTIFUSE® PPTC RESETTABLE FUSES



Bourns' Multifuse Product Line Announces Additional New Models to the MF-NSML Family of PPTC Resettable Fuses

Riverside, California - July 5, 2017 - The Bourns Multifuse Product Line is pleased to announce the introduction of a series of new part numbers to the already successful [MF-NSML](#) product family of surface mount Polymer Positive Temperature Coefficient (PPTC) Resettable Fuses. The two additional new models will now extend the maximum operating current of the MF-NSML series from 1.5 A to 5.0 A.

Bourns' low ohmic materials used in this product family have post trip resistance values as low as 12 mOhms and initial resistance values as low as 1 mOhm. Such low resistance values help boost the current carrying capability of these new devices. Bourns can now achieve a 5 A I_{hold} model in a 1206 package (MF-NSML500-2).

These compact MF-NSML models use Bourns' freeXpansion™ design that increases the performance of the resettable fuse with:


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

The primary applications for these products include PC motherboard port protection, USB memory modules, gaming consoles and battery protection for smart phones. These devices have been designed to protect against both overcurrent and overtemperature events within these applications.

The new Model MF-NSML Multifuse® PPTC products are RoHS compliant* and UL recognized for safety requirements, and are produced in Bourns' TS16949 approved facility in Xiamen, China.

For additional details on these exciting new models, please contact your nearest [Bourns representative](#).

Features

- Surface mount packaging for automated assembly
- Small footprint size (1206) and low profile for space-constrained mobile applications
- Ultra-low resistance
- RoHS compliant* and halogen free**
- Agency recognition: 

Applications

- Thermal protection for Li-ion & polymer battery packs
- USB port protection - USB 2.0, 3.0 & OTG
- HDMI 1.4 Source protection
- PC motherboards - Plug & Play protection
- Mobile phones - Battery & port protection
- PDAs / digital cameras
- Game console port protection

* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

** 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.