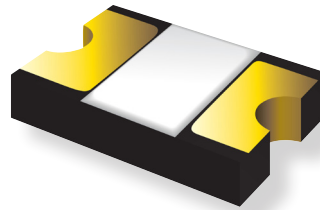




PRODUCT EXTENSION RELEASE

MULTIFUSE® PPTC RESETTABLE FUSES



Bourns Multifuse Product Line Announces the Expansion of the Model MF-ASML/X Low Resistance PPTC Resettable Fuse Series

Riverside, California – December 8, 2023 – The Bourns Multifuse Product Line is pleased to announce the expansion of its [Model MF-ASML/X](#) Low Resistance Surface Mount Polymer Positive Temperature Coefficient (PPTC) Resettable Fuse Series. This new model expands the series to include an I_{hold} current rating of 0.75 A at a 6 VDC maximum rated voltage.

Bourns’ proprietary low resistance conductive materials provide post trip resistance values as low as 0.25 ohms and initial resistance values as low as 0.025 ohms. These low resistance values help boost the current carrying capability of the devices. The expanded MF-ASML/X model family can now achieve I_{hold} current ratings of 0.1 A ~ 0.75 A at 6 VDC in a compact 0402 size package.

New Model
MF-ASML075/6

The Model MF-ASML/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 and smaller footprints. The primary applications for these products include wearables, 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 products’ designated specifications.



Series	Size (EIA)	I_{hold} (A)	V_{max} (VDC)	I_{max} (A)	cUL Listed	TÜV Listed	RoHS Compliant*	Halogen Free**
MF-ASML010/6 ~ MF-ASML075/6	0402	0.1 ~ 0.75	6	50	✓ E174545	✓ R50391579	✓	✓

(Continued)

MF2322

The Bourns® MF-ASML075/6 MultiFuse® PPTC model is RoHS compliant* and holds UL/CSA/TÜV recognition for meeting safety criteria. The TÜV certifications encompass IEC 62319-1 and IEC 60738-1, as well as IEC 60730-1:2013 clause 15, clause 17, and Annex J. These products are manufactured within Bourns' IATF 16949 certified facility.

Features

- Standard 0402 footprint
- Swift Time-to-Trip (TTT) to protect in overcurrent events
- Excellent solderability with ENIG terminal
- Symmetrical design, low profile of 0.6 mm
- RoHS compliant* and halogen free**
- Agency recognition:  
- TÜV certifications cover IEC 62319-1, IEC 60738-1, and IEC 60730-1:2013, encompassing clause 15, clause 17, and Annex J

Applications

- Overcurrent and thermal protection for:
 - Wearable and mobile devices
 - Li-ion battery pack chargers
 - I/O ports
 - PC motherboards
 - Game consoles
 - Electronic reading devices
 - Digital cameras

For additional information, please visit the Bourns website at www.bourns.com. 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.