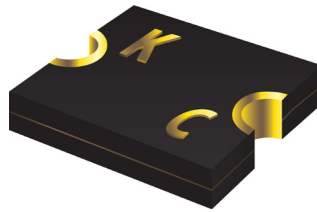




PRODUCT EXTENSION RELEASE

MULTIFUSE® PPTC RESETTABLE FUSES



Bourns Multifuse Product Line Introduces the Expansion of its Model MF-USHT Series High Temperature PPTC Resettable Fuses

Riverside, California – January 10, 2025 – The Bourns Multifuse Product Line is excited to introduce the expansion of its [Model MF-USHT Series](#) Surface Mount Polymeric Positive Temperature Coefficient (PPTC) Resettable Fuses. The latest additions broaden the hold current (I_{hold}) ranges up to 2.0 A and increase the maximum voltage (V_{max}) to 36 VDC under the maximum operating temperature which has been increased up to +125 °C.

New Models		
MF-USHT010KX/36	MF-USHT016KX/36	MF-USHT020KX/36
MF-USHT075KX/24	MF-USHT110KX/16	MF-USHT125KX/12
MF-USHT150KX/12	MF-USHT175KX/12	MF-USHT200KX/12

The most recent lineup within the Model MF-USHT Series employs Bourns' innovative freeXpansion™ design, elevating the performance of the resettable fuse by incorporating higher hold currents, elevated voltages, enhanced resistance stability, and more compact footprints. These advances cater to various applications, primarily serving as overcurrent protection of electronic equipment required to run at high operating temperatures. These components are designed to shield against both overcurrent and overtemperature events within the specified parameters of the products.




Model	Size (EIA)	I_{hold} (A)	V_{max} (VDC)	I_{max} (A)	cUL Recognition	TÜV Recognition	RoHS Compliant*	AEC-Q200 Compliant/Automotive Grade
MF-USHT010KX ~ MF-USHT200KX/12	1210	0.1~2.0	12~36	20~40	E174545	R50384138	✓	✓

All MF-USHT models are RoHS compliant* and hold UL/CSA/TÜV recognition for meeting safety criteria. The TÜV certifications also cover certifications for IEC 62319-1, IEC 60738-1, as well as IEC 60730-1:2013 clause 15, clause 17, and Annex J. These products are manufactured within a Bourns' IATF 16949 certified facility.

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

For additional information, please visit the Bourns website at www.bourns.com. Check out the [Bourns® Multifuse® PPTC Resettable Fuse Technical Library](#) for many useful documents. Should you have any questions, please feel free to contact [Customer Service/Inside Sales](#).

Features

- Standard 1210 footprint
- Working temperature up to +125 °C
- Swift Time-to-Trip (TTT) for safeguarding against overcurrent events
- Exceptional solderability with ENIG terminals
- Symmetrical design and low profile
- Agency recognition:  
- TÜV certifications cover certifications for IEC 62319-1, IEC 60738-1 and IEC 60730-1:2013, encompassing clause 15, clause 17, and Annex J
- RoHS compliant*
- AEC-Q200 compliant
-  **AUTOMOTIVE GRADE**

Applications

- Resettable fault protection for general electronic equipment
- Overcurrent protection of electronic equipment required to operate at high operating temperature ranges
- Industrial transportation
- Infotainment/telematics
- Climate control systems
- Sensor protection
- Security and communication systems

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