



New MFU 0603 AT Fast-Acting Thin Film Chip Fuse Offers AEC-Q200 Qualification, Current Ratings From 0.5 A to 5.0 A, and Outstanding Stability of Fusing Characteristics for EVs and HEVs

Product Benefits:

- AEC-Q200 qualified
- Current ratings from 0.5 A to 5.0 A
- Advanced sulfur resistance in accordance with ASTM B 809
- Withstands 85 °C / 85 % R.H. for 1,000 h biased humidity testing and testing for thermal shock
- 0603 case size
- Rated voltage up to 63 V
- Breakdown capacity of 50 A
- RoHS-compliant, halogen-free, and Vishay Green
- Suitable for processing on automatic SMD assembly systems and automatic soldering using wave, reflow, or vapor phase



Market Applications:

- Electric (EV) and hybrid electric (HEV) vehicles
 - Voltage sensing circuit protection in battery management systems
 - Circuit protection for small loads

The News:

Vishay Intertechnology introduces a new fast-acting thin film chip fuse. For automotive applications, the Vishay Beyschlag MFU 0603 AT is AEC-Q200 qualified and features current ratings from 0.5 A to 5.0 A.

- The fuse's highly controlled thin film manufacturing process guarantees an outstanding stability of fusing characteristics
- Offering a robust design, the MFU 0603 AT consists of a homogenous metal alloy film deposited on a high grade ceramic substrate, with fuse elements covered by a protective coating designed for electrical, mechanical, and climatic protection

The Key Specifications:

- Case size: 0603
- Rated current range: 0.5 A to 5.0 A
- Rated voltage: 63 V (at 500 mA)
- Breakdown capacity: 50 A
- Operating temperature range: -55 °C to +125 °C

Availability:

Samples and production quantities of the MFU 0603 AT are available now, with lead times of 10 to 14 weeks.



NEW PRODUCT INFORMATION



Product Group: Vishay Beyschlag, Thin Film Resistors / **August 2021**

To access the product datasheet on the Vishay Website, go to <http://www.vishay.com/ppg?28930> (MFU AT)

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