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

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