Time Lag and Long Time Lag Thin Film Chip Fuses Provide Protection from 0.40 A to 7.00 A, Rated Voltages from 32 V to 63 V, and Low Resistance Down to 6 mΩ in Compact 0402, 0603, and 1206 Case Sizes

Product Benefits:

- Current ratings from 0.40 A to 7.00 A
- Low resistance down to 6 mΩ
- Offered in compact 0402 (SFT), 0603, and 1205 case sizes
- Maximal protection:
  - SFT series opens within 5 s at 250 % of rated current
  - SF2T series opens between 1 s and 120 s at 200 % of rated current
- Rated voltages of 32 V, 50 V, and 63 V
- Body temperature rise of less than 75 °C at 100 % rated current
- Operate over a temperature range from -40 °C to +125 °C with proper derating
- RoHS-compliant and halogen-free
- Compliant with UL 248-14 recognition file E548286



Market Applications:

- Micro-mobility, transportation, and agricultural equipment; energy generation, storage, and distribution systems; industrial automation, drives and tools, and infrastructure; home and building controls; computers and peripherals; consumer electronics and appliances; telecommunications infrastructure; and medical instrumentation

The News:

Vishay Intertechnology introduces two new series of thin film chip fuses. Designed to provide reliable overcurrent protection for motors, transformers, and other equipment subject to high startup inrush currents, the Vishay Sfernice SFT time lag and SF2T long time lag devices combine current ratings from 0.40 A to 7.00 A with low resistance down to 6 mΩ in compact surface-mount packages.

- For secondary non-resettable circuit protection, the devices are designed to tolerate temporary, non-damaging current surges while protecting against sustained fault conditions

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The Key Specifications:

Series	SFT	SF2T
Package sizes	0402, 0603, 1206	0603, 1206
Current range	0.40 A to 7.00 A	0.50 A to 7.00 A
Rated voltage	32 V, 50 V, 63 V	
Fusing characteristic	Opens within 5 s at 250 % rated current	Opens within 1 s to 120 s at 200 % rated current
Cold resistance	6 mΩ to 596 mΩ	6 mΩ to 738.5 mΩ
Body temperature rise	< 75 °C at 100 % rated current	
Temperature range	-25 °C to +125 °C	

Availability:
Samples and production quantities of the SFT and SF2T series are available now, with lead times of 15 weeks.

To access the product datasheets on the Vishay Website, go to
http://www.vishay.com/ppg?50095 (SFT)
http://www.vishay.com/ppg?50096 (SF2T)

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