

PEPI V & VA – Miniature Thermal Protectors

The PEPI V & VA are among the smallest and thinnest snap-action thermal protectors available. Housed in a durable, lightweight plastic case with chamfered sides – they allow for low-profile mounting and are ideal for slotting between cells in rechargeable battery packs. The V offers high current sensitivity, whereas the VA provides slightly less. The bimetallic element carries the circuit current for maximum current sensitivity under short circuit conditions.

Both models protect against overcharge, overload, and short circuits, depending on calibration. With low internal impedance, they minimally impact battery performance. The gold-diffused contacts ensure reliable temperature response in low-current and low-voltage circuits.



Drawing:

Calibration Temperature Range:

- Available with nominal calibration temperatures from 45°C - 100°C
- 5°C - 35°C temperature differential available between open/close

Features:

- Gold-diffused contacts
- Low internal impedance with nickel straps for spot-welding
- Preset calibration
- Suitable for DC applications
- Compact size – 16 x 5.9 x 2.1 mm

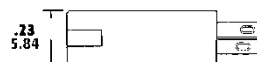
Applications:

- Primary battery packs
- Rechargeable battery packs
- Miniature temperature sensors

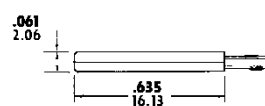
Technical:

- Contact Ratings:
 - 10 amps / 12 volts DC, 5000 cycles
 - 5 amps / 24 volts DC, 5000 cycles

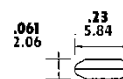
TOP VIEW



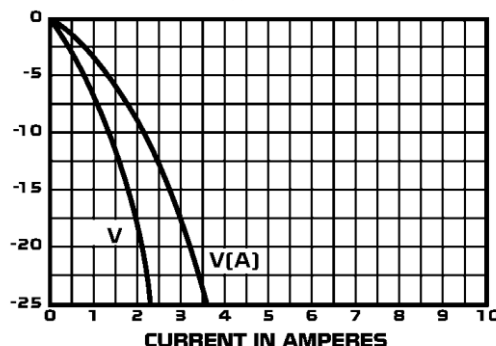
SIDE VIEW



END VIEW



CURRENT DERATING CURVE MODEL V



For further information please contact us at sales@atcsemitec.co.uk