

## SEFUSE SM-G Thermal Fuses

Our SM/G thermal fuse uses a fusible alloy inside a ceramic case. It has a continuous current rating of 0.5A/250VAC. Because of its insulated case, the SM fuse can be applied directly to where it will be most effective.

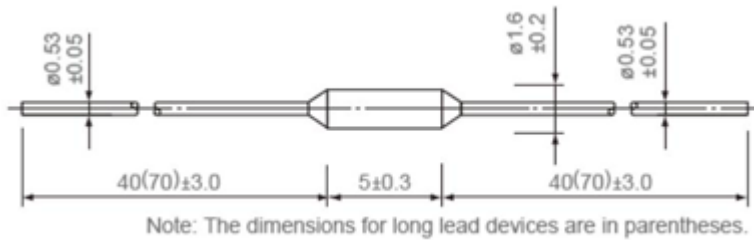
### Features

- Smallest diameter, one shot thermal fuse
- Ceramic Fuse body: 1.6 x 5mm
- Temp range; 110°C to 225°C
- Rating: 0.5A/250VAC (for DC see below)

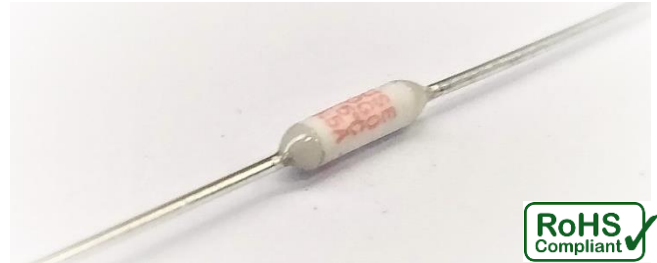
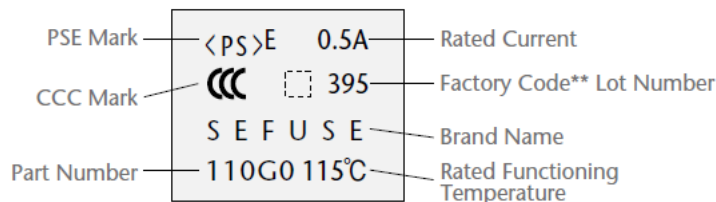
### Applications

- Electric motors, transformers & solenoids
- Personal care and small appliances
- Rechargeable battery packs
- Component monitoring e.g. ATEX applications

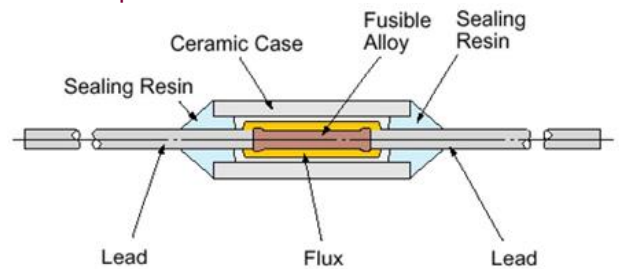
### Dimensions in mm



### Markings

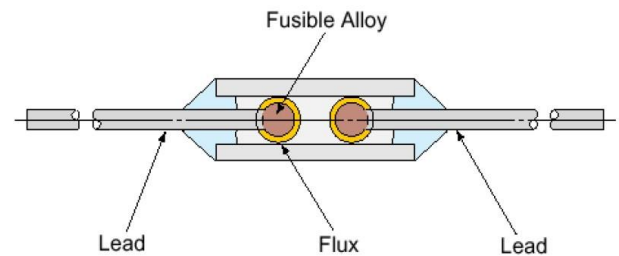


### Before Operation



In the SM fuse, the leads are connected by a fusible alloy. The current flows directly from one lead to the other through the fusible alloy which is coated with a special flux.

### After Operation



When the ambient temperature rises to the SM's operating temperature, the fusible alloy melts and coalesces into a drop around the end of each lead. This is due to surface tension forces and the special flux coating. The electrical circuit is then open.

Part #	Rated Functioning Temperature Tf (°C)	Operating Temperature (°C)	Tmax (°C)	Electrical Ratings		UL	VDE	BEAB	CSA
				AC	DC				
SM110G0	115	110 ±2	125	0.5A (Resistive) AC250V	5A DC50V	E71747	677802- 1171- 0003	C1157	172780 (LR52330)
SM137G0	142	137 +3/-2	200						
SM146G0	151	146 +3/-2							
SM225G0	225	219 ±3	235						

For further information please contact us at [sales@atcsemitec.co.uk](mailto:sales@atcsemitec.co.uk)