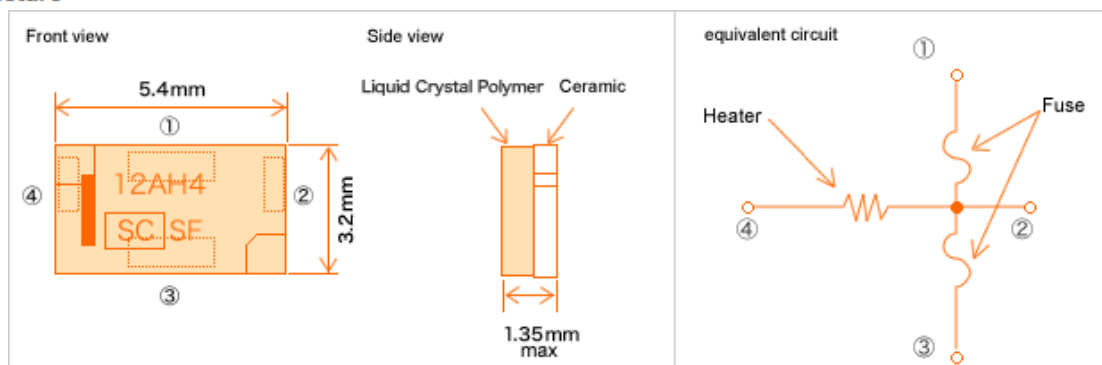


• **SFH-0412B / SFH-0810C / SFH-1212B / SFH-1412B**



● Product name	SFH-0412B / SFH-0810C / SFH-1212B / SFH-1412B
● Suitable use	For Li-ion rechargeable battery
● Application	<ul style="list-style-type: none"> • Computers/ • AV/ • Cellular phones/ • Automobiles
● Features	<p>Environmentally conscious: halogen-free. It protects Li-ion battery from the overcharge and the overcurrent.</p> <p>No overheating of self control protector: For protection of overcharging, Cut off the charging circuit when the fuse element melts, and at the same time, the flow of electric current through a heater is stopped automatically.</p> <p>Automatically mountable by general-purpose chip mounter as well as reflow solderable using an alloy with a high melting point as a fusible alloy in the device.</p>

● **Structure**



● **Specifications**

Product Name	SFH-0412B	SFH-0810C	SFH-1212B	SFH-1412B
Applicable cells in series	1 cell	2 cells	3 cells	4 cells
Rated current	12A	10A	12A	
Rated voltage(*)	36VDC			
Rated breaking capacity	50A			
Operating voltage	4.0 - 7.0V	4.0 - 9.0V	7.4 - 13.8V	10.5 - 19.6V
Heater resistance	1.4 - 2.4Ω	1.7 - 2.6Ω	5.5 - 9.1Ω	11.0 - 18.4Ω
Fuse resistance	1.5 - 3.5mΩ	2.0 - 4.0mΩ	1.5 - 3.5mΩ	
Size	5.4 x 3.2 x 1.35mm	5.4 x 3.2 x 1.25mm	5.4 x 3.2 x 1.35mm	
Electrode	Ag-Pt			
Marking	<div><div>12AH1</div><div>SCSF</div></div>	<div><div>10AH2</div><div>SCSF</div></div>	<div><div>12AH3</div><div>SCSF</div></div>	<div><div>12AH4</div><div>SCSF</div></div>

(*) Maximum voltage at which cutoff of the fuse is possible. It is not the operating voltage for the heater.

- UL certificated: UL file No. E167588
- TUV certification: Certificate No. J9650637
- ROHS directive: Conforming
- Management regulations for environment-related substances to be controlled which are included in Sony's parts and materials: Conforming to SS-00259