

Products



Products TOP

Products Category

- Bonding Materials**
 - Double coated tapes
 - Single coated tapes
 - Adhesive
 - Thermal conductive sheet
 - Residential window film
- Optics Materials**
 - Optical film
 - UV curable resin for optical disks
 - Optical elasticity resin (SVR)
- Electronic Components Products**
 - Anisotropic Conductive Film (ACF)
 - Self Control Protector (SCP)**
 - Self Control Protector (SCP) 10A rated, 12A rated series
 - Self Control Protector (SCP) 15A rated series
 - Touch panel

Use Navigation

About Our Products

Self Control Protector (SCP) 10A rated, 12A rated series

Surface mounted type fuse that immediately interrupts overcharge or overcurrent in Li-ion rechargeable battery.

Products Category: [Self Control Protector \(SCP\)](#)

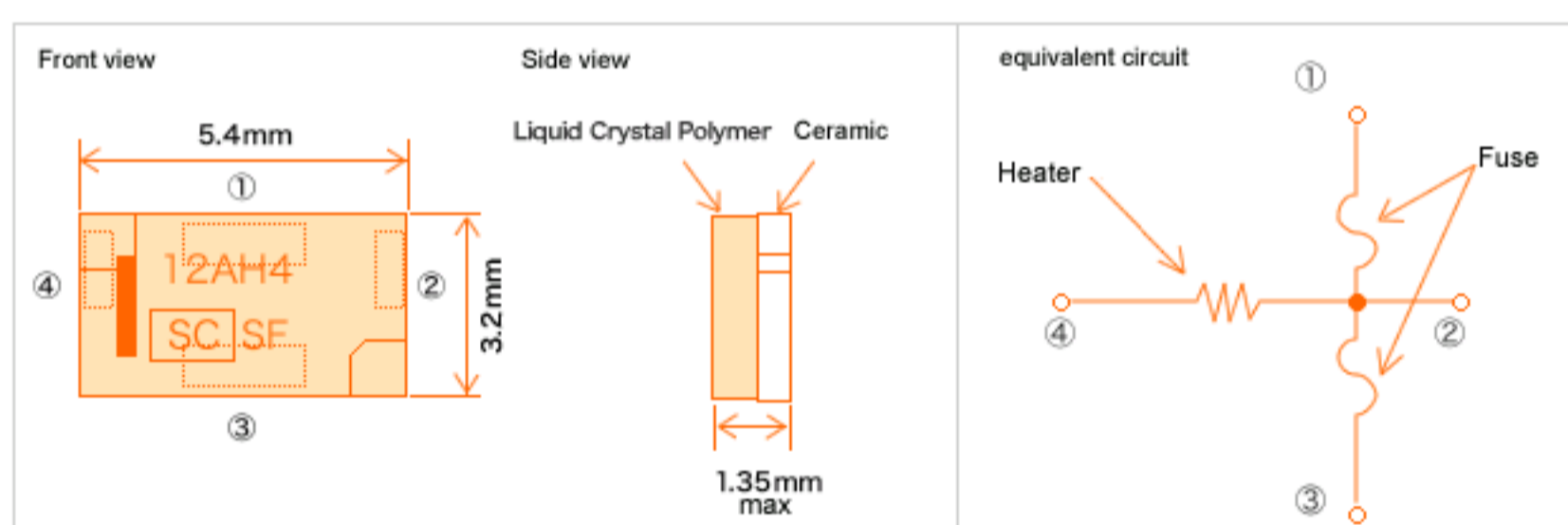
Please select the product name :

[SFH-0412B](#) / [SFH-0810C](#) / [SFH-1212B](#) / [SFH-1412B](#) / [SFH-2012B](#)



- Product name** | SFH-0412B / SFH-0810C / SFH-1212B / SFH-1412B / SFH-2012B
- Suitable use** | For Li-ion rechargeable battery
- Application** | Computers/ AV/ Cellular phones/ Automobiles
- Features**
 - Environmentally conscious: halogen-free.
 - It protects Li-ion battery from the overcharge and the overcurrent.
 - 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.
 - 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.

Structure



Specifications

Product Name	SFH-0412B	SFH-0810C	SFH-1212B	SFH-1412B	SFH-2012B
Applicable cells in series	1 cell	2 cells	3 cells	4 cells	5 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	14.4 - 23.5V
Heater resistance	1.4 - 2.4Ω	1.7 - 2.6Ω	5.5 - 9.1Ω	11.0 - 18.4Ω	17.3 - 25.9Ω
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					

(*) 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