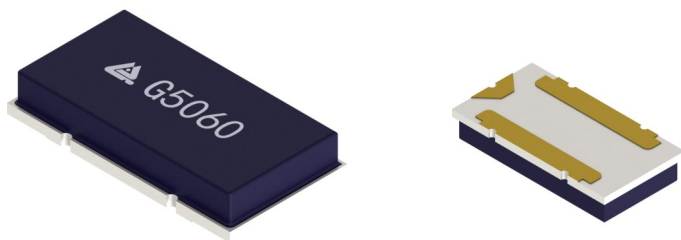


## Controllable Fuse

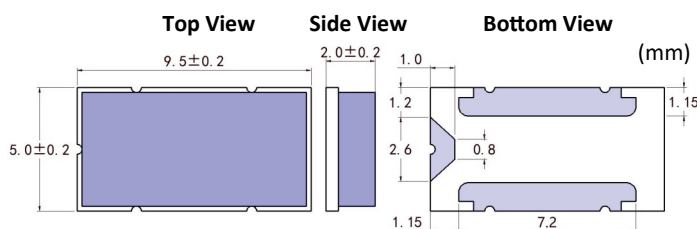
ACFG Series (60A, G Size 9.5 mm \* 5.0 mm)



### Applications:

- Vacuum cleaner
- Power tools
- E-scooter & E-bike
- UPS & BMS
- PC & NB
- Smartphone
- Tablet
- IT

### Shape and Dimensions:



### Agency Approval:

- Recognized Under the Components Program of Underwriters Laboratories. Certification #: UL-E232989

### Features:

- Fast response
- Multiple protection for overcharging and overcurrent
- Compact design and surface mountable
- Ideal for Li-ion battery (single & multi cell) application
- Three terminals

### Packaging:



Chip Size	Parts on 13 inch (330 mm) Reel
9.5 mm * 5.0 mm	2,000

### Product Identification:

ACF G 050 060 T

(1) (2) (3) (4) (5)

- (1) **Series Code:** AEM Controllable Fuse
- (2) **Size Code:** G Size 9.5 mm\*5.0 mm (length x width)
- (3) **Operation Voltage Code:** 050 - 50V
- (4) **Current Rating Code:** 60 - 60A
- (5) **Package Code:** T - Tape & Reel, B - Bulk

Marking:  G5060;  AEM Logo;

G:Size Code ; 50: Operation Voltage Code; 60: Current Rating Code

### Ordering Information:

Part Number	I <sub>rated</sub> (A) <sup>1</sup>	Cells in Series <sup>2</sup>	V <sub>max</sub> (V DC) <sup>3</sup>	I <sub>break</sub> (A) <sup>4</sup>	V <sub>op</sub> (V) <sup>5</sup>	R <sub>fuse</sub> (mΩ) <sup>6</sup>
ACFG012060T	60	3	120	160	9.6~13.2	0.5~1.5
ACFG014060T	60	4	120	160	13.0~18.4	0.5~1.5
ACFG020060T	60	5	120	160	16.7~23.5	0.5~1.5
ACFG030060T	60	6~7	120	160	22.3~31.5	0.5~1.5
ACFG040060T	60	9~10	120	160	33.0~46.9	0.5~1.5
ACFG050060T	60	12~14	120	160	43.7~62.0	0.5~1.5
ACFG050060T-3P	60	16LFP	120	160	40.0~58.4	0.5~1.5
ACFG064060T	60	15~16	120	160	56.0~72.0	0.5~1.5

- I<sub>rated</sub>: Current carrying capacity that is measured at 40°C thermal equilibrium condition
- Cells in series: Number of battery cells connected in series in the circuit for the device to protect
- V<sub>max</sub>: The maximum Voltage that can be cut off by fuse

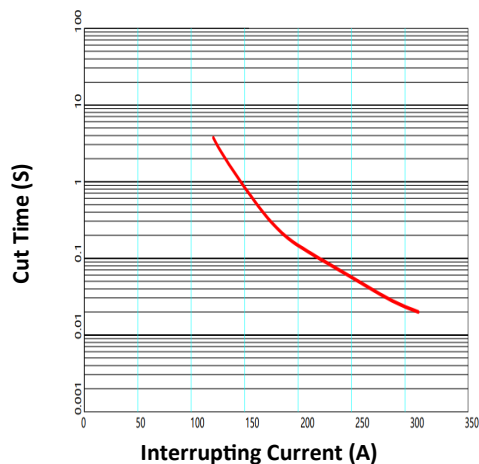
- I<sub>break</sub>: The current that the fuse element able to interrupt
- V<sub>op</sub>: Range of operation voltage
- R<sub>fuse</sub>: The resistance of the fuse element

## Controllable Fuse

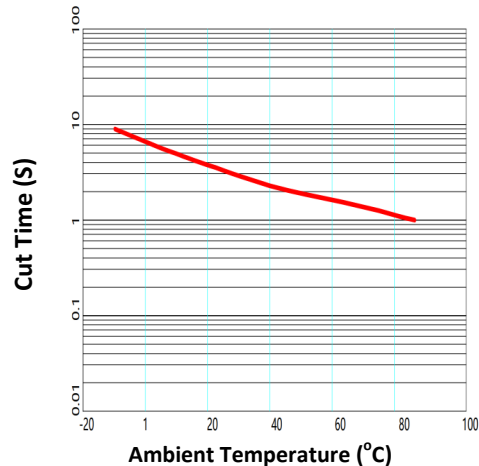
ACFG Series (60A, G Size 9.5 mm \* 5.0 mm)

### Product Performance Curve:

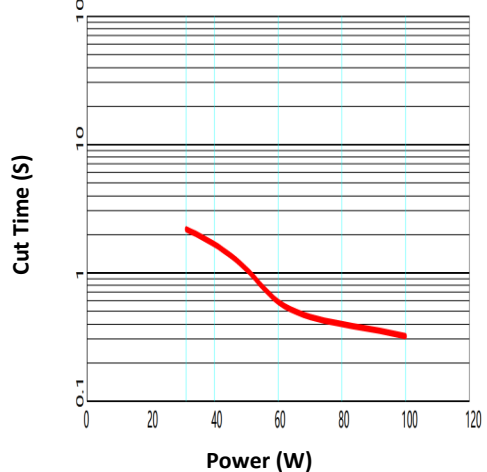
1 Characteristics Diagram (I-t)



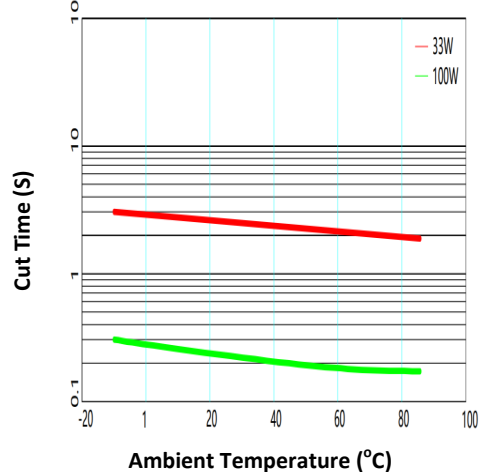
2 Characteristics Diagram (2\*I-t)



3 Curve Of Heating Element Power And Fusing Time



4 Fusing Time Curve Under Different Power / Ambient Temperature



## Disclaimer

*Specifications are subject to change without notice. AEM products are designed for specific applications and should not be used for any purpose (including, without limitation, automotive, aerospace, medical, life-saving applications, or any other application which requires especially high reliability for the prevention of such defect as may directly cause damage to the third party's life, body or property) not expressly set forth in applicable AEM product documentation. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Warranties granted by AEM shall be deemed void for products used for any purpose not expressly set forth in applicable AEM product documentation. AEM shall not be liable for any claims or damages arising out of products used in applications not expressly intended by AEM as set forth in applicable AEM product documentation. The sale and use of AEM products is subject to AEM terms and conditions of sale. Please refer to AEM's website for updated catalog and terms and conditions of sale.*



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