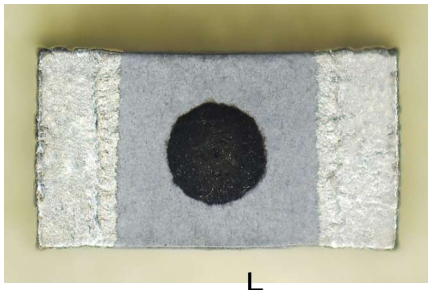
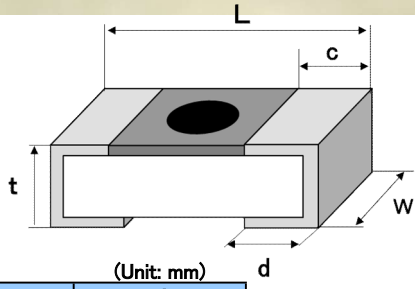
Model No.

AFCL16-132





■Features

- This fast-acting Chip Fuse achieves powerful arc suppression through its unique material and structure.
- Unique manufacturing process achieves a Rated Voltage of DC75V in a
- Excellent arc resistance minimizes the risk of smoke or fire even if an arc occurs during melting.
- Completely Lead-Free product.

■Applications

- Protection of secondary circuits such as battery management systems (BMS) subjected to high voltage.

■Dimensions

(Unit: mm)

Model	L	W	t	c	d
AFCL16-132	1.60±0.15	0.80+0.20/−0.10	0.55+0.15/−0.10	0.25±0.20	0.25±0.20

■Specifications

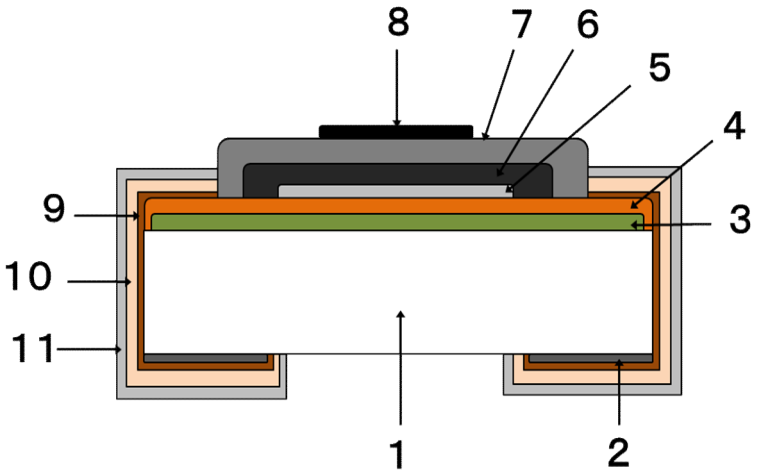
Operating Temperature Range: −55° C to +125° C

Model	Rated Current A	Internal Resistance mΩ(Max)	Rated Voltage VDC		Breaking Current A	Fusing Performance
AFCL16-132	1.25	90	75	50A @ 75V DC	50	Rated current × 200% Blows within 5 seconds

Note 1: Breaking capacity is based on DC power supply (time constant < 50 μ sec)
*Design and specifications are subject to change without notice.

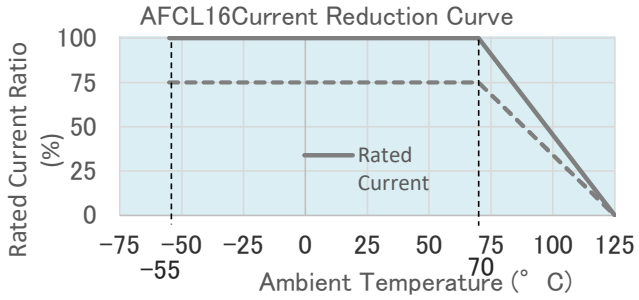
■Construction

No.	Component Name
1	Ceramic Substrate
2	Back Electrode
3	Undercoat
4	Fuse Element I
5	Fuse Element II
6	Protective coat I
7	Protective coat II
8	Marking
9	Side Electrode
10	Ni Plating
11	Sn Plating

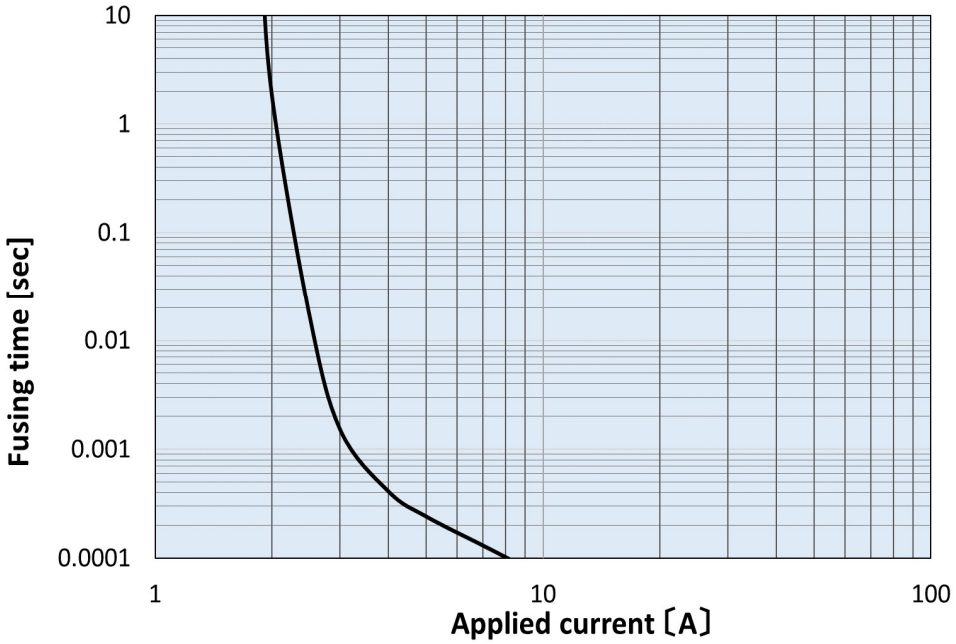


■Current Derating Curve

- When operating at ambient temperatures of 70° C or higher, reduce the Rated Current according to the following derating curve.
- We recommend operating at 75% or less of the Rated Current.



■Fusing Characteristics



■I^2t-t Characteristics