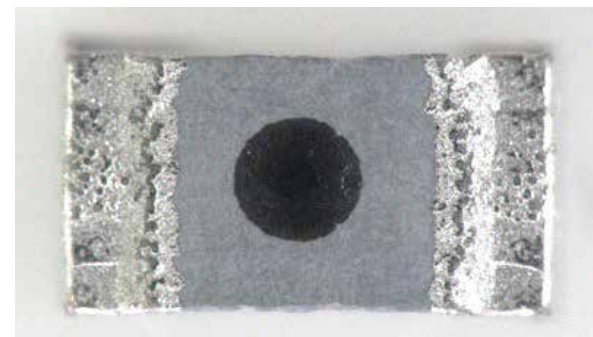


# 耐アーク性角板形チップヒューズ

## Arc Resistant Chip Fuse

### 特徴 Features

- 弊社独自の構造による速断型チップヒューズです。  
By HDK original structure, this is instant-blowing type chip fuse.
- 弊社独自の製法により定格電圧 DC75V を実現。  
The rated voltage of DC 75V is achieved through our unique manufacturing process.
- 溶断時の発煙・発火がありません。  
Extremely low risk of smoke and ignition when it is fused.



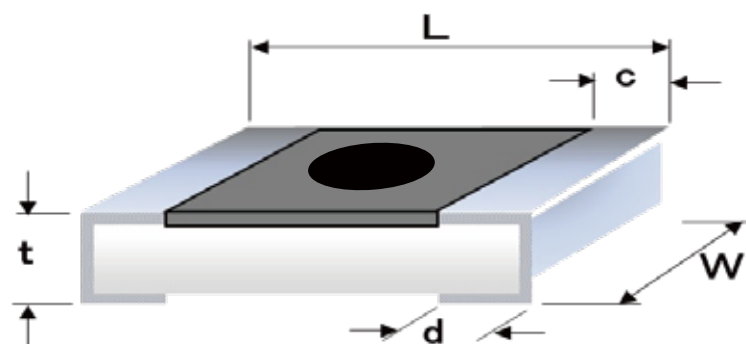
Model No. AFCL16-132

### 用途 Application

- 高電圧が加わる車載向け電池監視用ユニットの回路保護に最適です。  
Suitable for circuit protection of automotive battery monitoring units that are subject to high voltage.

### 外形寸法 Dimensions

| (Unit: mm) |           |                 |                 |           |           |
|------------|-----------|-----------------|-----------------|-----------|-----------|
| Model No.  | L         | W               | t               | c         | d         |
| AFCL16-132 | 1.60±0.15 | 0.80+0.20/-0.10 | 0.50+0.15/-0.10 | 0.25±0.20 | 0.25±0.20 |



### 仕様 Specifications

使用温度範囲 Operating Temperature Range : -55℃ ~ +125℃

| Model No.  | 定格電流<br>Rated Current<br>A | 内部抵抗<br>Internal Resistance<br>mΩ(Max) | 定格電圧<br>Rated Voltage<br>VDC | 遮断容量<br>Interrupting Rating<br>注1 | 遮断電流<br>Breaking Current<br>A | 溶断性能<br>Fusing<br>Performance                                                              |
|------------|----------------------------|----------------------------------------|------------------------------|-----------------------------------|-------------------------------|--------------------------------------------------------------------------------------------|
| AFCL16-132 | 1.25                       | 90                                     | 75                           | 50A@75V DC<br>2.5A@100V DC        | 50                            | 定格電流 ×200% 5 秒以内に溶断<br>To be fused within 5 seconds<br>when 200% of rated current applied. |

注1. 遮断容量は DC 電源（時定数<50μsec）を使用し、定格電圧にて測定

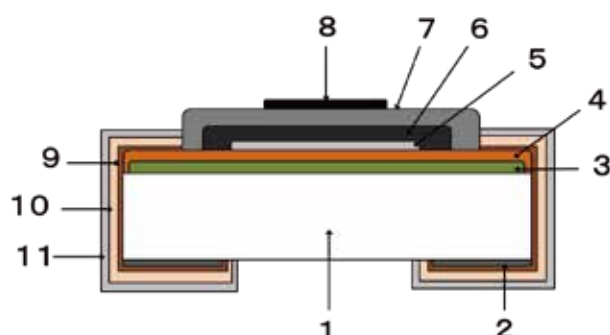
Interrupting Rating is measured at rated voltage by using a DC power supply (time constant <50μsec.)

※設計・仕様について予告せず変更する場合がございます。

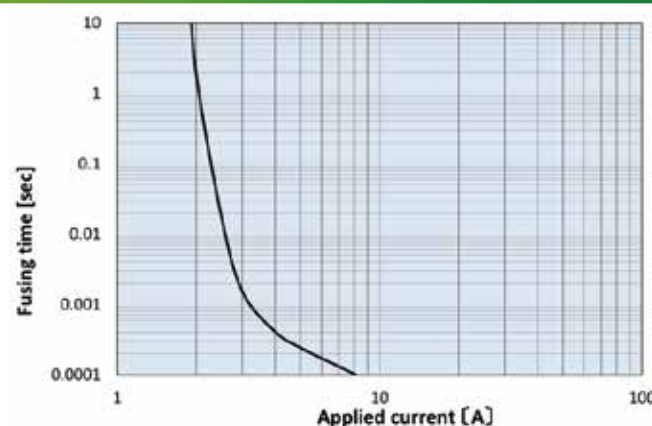
Design/specification are subject to change without prior notice.

### 構造 Construction

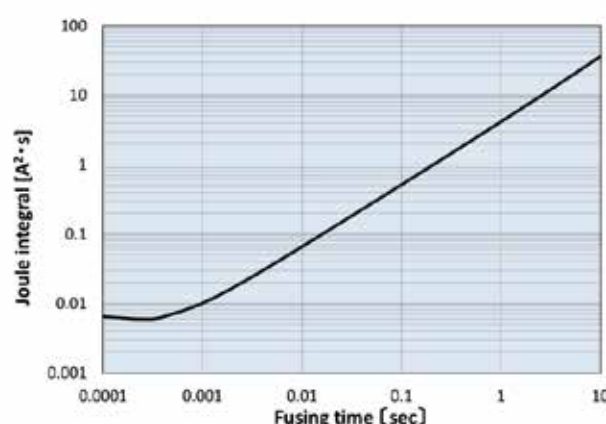
| No. | 構成部名称 Element Name          |
|-----|-----------------------------|
| 1   | セラミック基板 Ceramic Substrate   |
| 2   | 裏面電極 Back side electrode    |
| 3   | アンダーコート Undercoat           |
| 4   | ヒューズ素子Ⅰ Fuse elementⅠ       |
| 5   | ヒューズ素子Ⅱ Fuse elementⅡ       |
| 6   | 保護コート1 Protective coating 1 |
| 7   | 保護コート2 Protective coating 2 |
| 8   | 捺印 Marking                  |
| 9   | 側面電極 Side Electrode         |
| 10  | Niメッキ Ni Plating            |
| 11  | Snメッキ Sn Plating            |



### 溶断特性 Fusing characteristics



### I²t-t 特性 I²t-t characteristics



HOKURIKU