

## High Power Surface Mount Fuse CM2840H Series



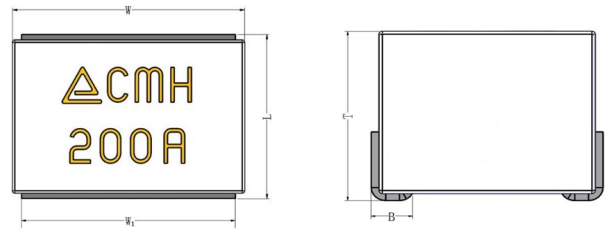
### Features:

- Ceramic body with superior arc-suppression material as filler
- No interconnection issue with one unit of fuse link and termination
- The most compact design of at 2840 case size in surface mount type of high current fuse up to 200A
- Low DC resistance (DCR) – Minimizes excessive power loss
- High interrupting ratings – for excellent inrush current capability
- Halogen free, RoHS compliant and 100% lead-free

### Clearing Time Characteristics:

| % of Current Rating | Clearing Time at 25°C |
|---------------------|-----------------------|
| 100%                | 4 hours (min)         |
| 250%                | 60 seconds (max)      |

### Shape and Dimensions:



| Unit | Inch          | mm         |
|------|---------------|------------|
| L    | 0.287 ± 0.012 | 7.3 ± 0.3  |
| W    | 0.406 ± 0.008 | 10.3 ± 0.2 |
| W1   | 0.374 ± 0.008 | 9.5 ± 0.2  |
| T    | 0.228 ± 0.008 | 5.8 ± 0.2  |
| B    | 0.047 ± 0.012 | 1.2 ± 0.3  |

### Applications:

- Server Systems
- Routers and switches
- Telecom DC/DC Power
- Drones
- Power tools
- Battery and BMS

### Agency Approval:

Pending

### Ordering Information:

| Part Number  | Current Rating (A) | Voltage Rating (Vdc) | Interrupting Rating | Nominal DCR (mΩ) <sup>1</sup> | Nominal I <sup>2</sup> t (A <sup>2</sup> s) <sup>2</sup> | Marking <sup>3</sup> |
|--------------|--------------------|----------------------|---------------------|-------------------------------|--|----------------------|
| CM2840H150AT | 150                | 75                   | 1,500A @ 75VDC      | 0.29                          | 16000  | ΔCMH<br>150A         |
| CM2840H200AT | 200                |                      |                     | 0.20                          | 28000  | ΔCMH<br>200A         |

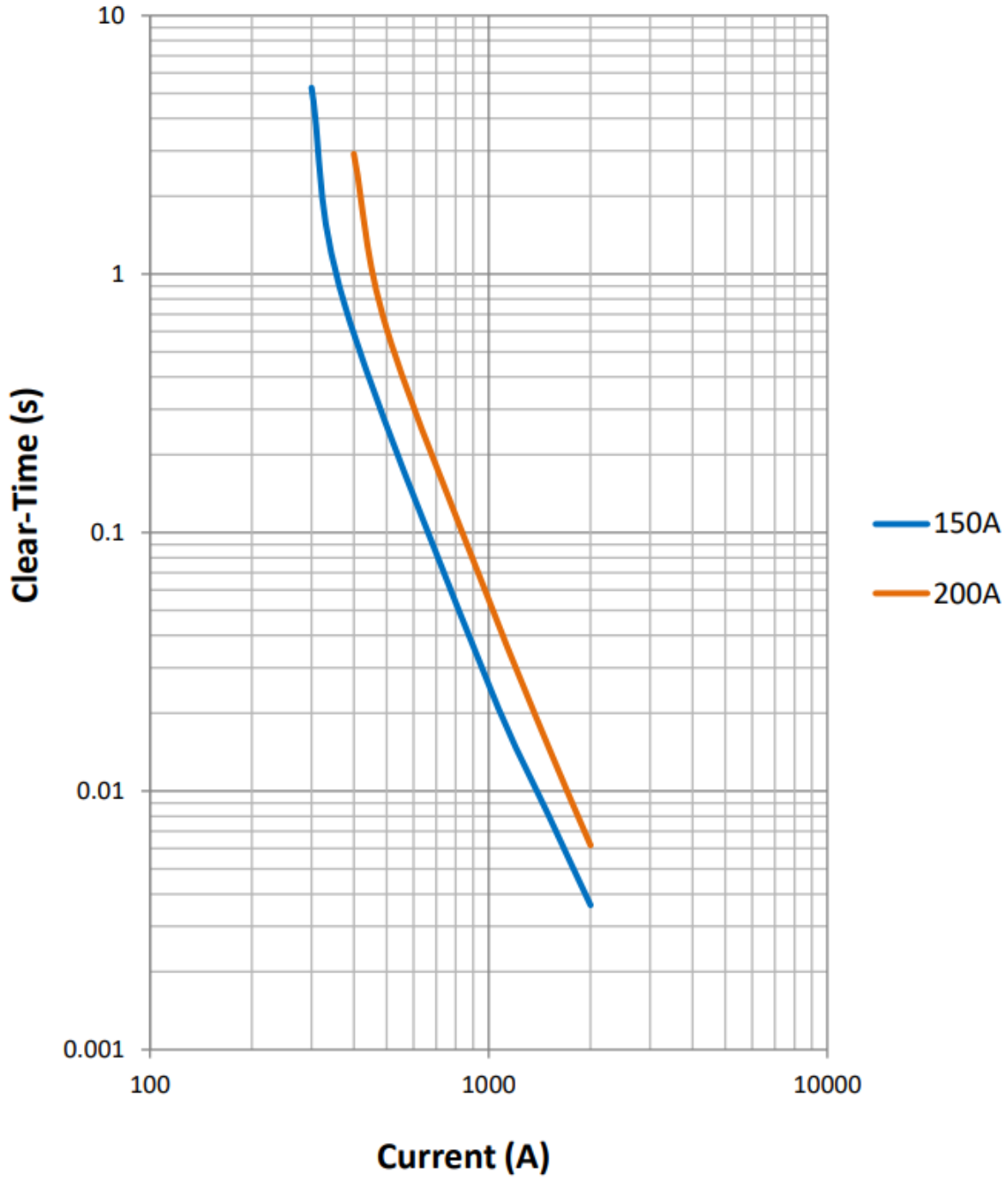
1. Measured at ≤10% rated current and 25 °C ambient.
2. Measured at 1000% of current rating.
3. Laser marking character code.

### Operating Temperature Range:

-55°C ~ +125°C (with de-rating)

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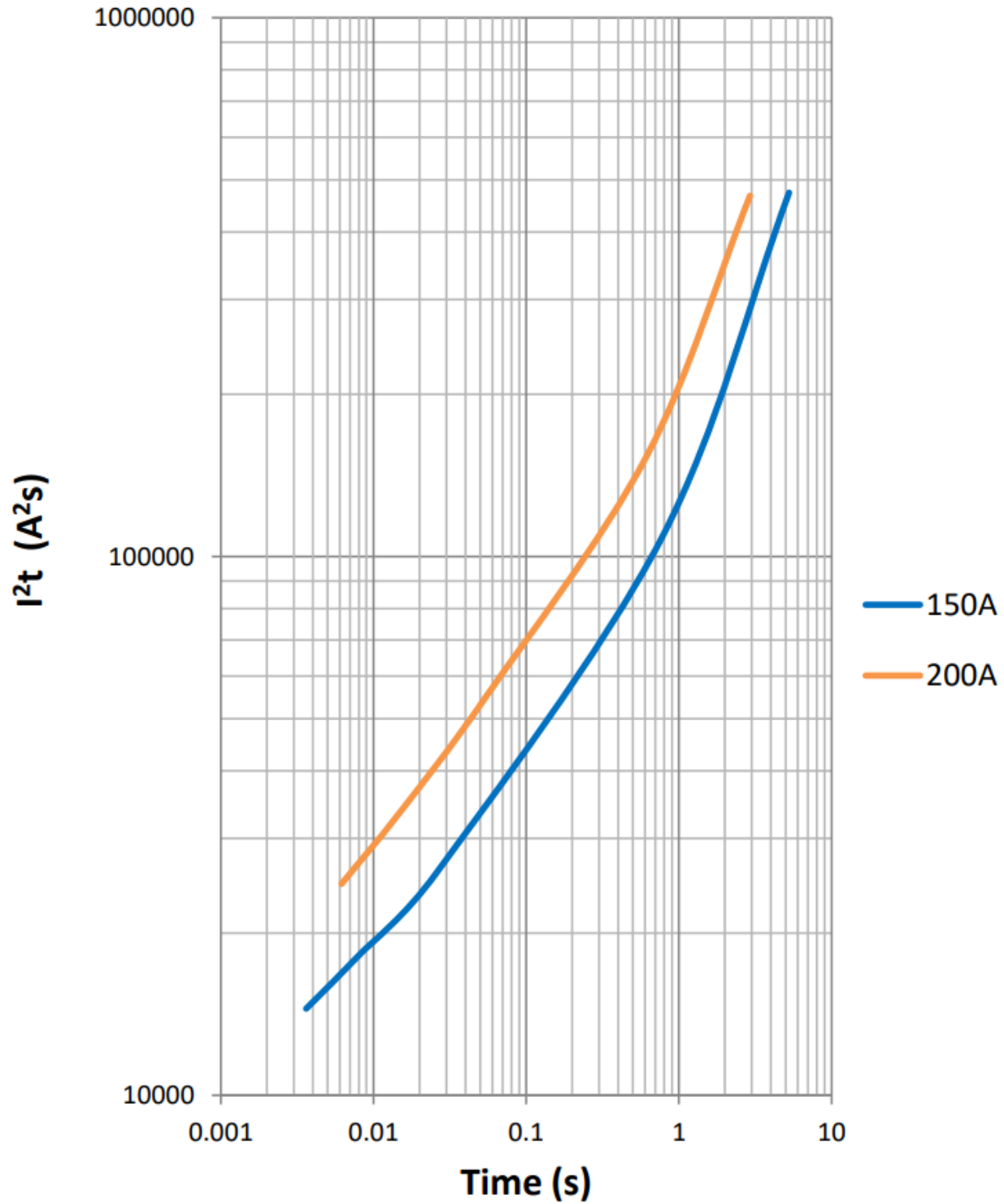
## Clearing Time vs. Current Curves:



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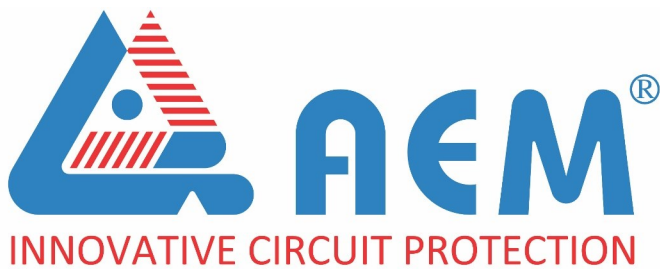
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## Average $I^2t$ vs. $t$ Curves:



## Disclaimer

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