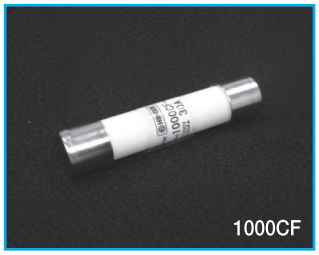
# 700CF/800CF/1000CF

HINODE Founded in 1955
HINODE ELECTRIC CO.,LTD.
1-18-9 Hokima, Adachi-ku, Tokyo 121-0064, JAPAN
URL:http://www.hinodedenki.co.jp

**IF YOU NEED ANY HELP IN DETERMINING WHAT FUSE YOU NEED CONTACT NATIONAL FUSE PRODUCTS AT 1-800-328-0496 OR EMAIL SALES@NATIONALFUSE.COM**




## FEATURES

- 800V DC prepared for the regeneration voltage of 400V servos/inverters. *800CF
- Designed for small-capacity power-supply lines of a high-pressure inverter.

## RATING

**•700CF–Rating 35 to 40 A**

Rated voltage and breaking capacity : 700V AC–100kA, 700V DC (L/R = 10ms)–100kA
Minimum breaking current : 700V AC/DC – 4 times the rated amperage
Maximum arc voltage : 1400V

**•800CF–Rating 5 to 30 A**

Rated voltage and breaking capacity : 700V AC–100kA, 800V DC (L/R =10ms)–10kA
Minimum breaking current : 700V AC/800V DC – 4 times the rated amperage
Maximum arc voltage: 1600V

**•1000CF**

Rated voltage and breaking capacity: 1000V AC–100kA
Minimum breaking current: 1000V AC – 4 times the rated amperage
Maximum arc voltage: 2000V

## UL standard approved rating

When applying the standard to UL standard approved items, use the fuse in the following rating.

**•800CF**

Rated voltage and breaking capacity: 660V AC –10kA
800V DC (L/R = 10ms)–10kA

**CAUTION!**

- Read "FOR SAFE USE" and "PROTECT FUSE USER'S GUIDE" at the back of this catalog before use.
- A small fuse may generate a relatively large amount of heat, so a fuse with sufficient capacity is recommended for long, continuous use.
- Fusing indication function is not provided.

## Specifications 700CF/800CF

Ta=25℃

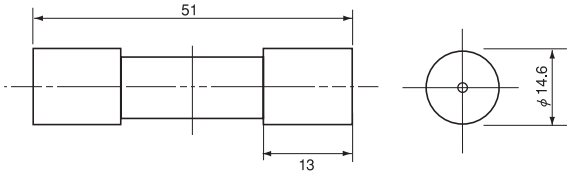
| Type | Rated Amperage (A) | Fusing $I^2t$ ($A^2S$) | Shutdown $I^2t$($A^2S$) at AC660V 10KA | Shutdown $I^2t$($A^2S$) at AC700V 100KA | Power Loss (W) | Weight (g) | Standard Approved |
|---|---|---|---|---|---|---|---|
| 800CF-5UL | 5 | 2 | 28 | 36 | 1.1 | 24 | |
| 800CF-10UL | 10 | 6 | 80 | 110 | 2.6 | | |
| 800CF-15UL | 15 | 12 | 160 | 225 | 3.0 | | |
| 800CF-20UL | 20 | 25 | 310 | 360 | 6.0 | | |
| 800CF-25UL | 25 | 43 | 390 | 650 | 6.5 | | |
| 800CF-30UL | 30 | 67 | 530 | 1000 | 7.0 | | |
| 700CF-35 | 35 | 93 | — | 1300 | 7.5 | | — |
| 700CF-40 | 40 | 121 | — | 1690 | 7.5 | | |

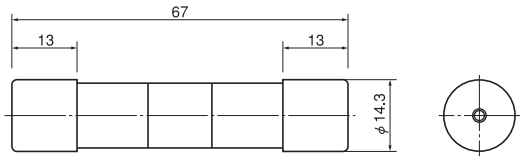
## Specifications 1000CF

Ta=25℃

| Type | Rated Amperage (A) | Fusing $I^2t$ ($A^2S$) | Shutdown $I^2t$($A^2S$) at AC1000V 100KA | Power Loss (W) | Weight (g) | Standard Approved |
|---|---|---|---|---|---|---|
| 1000CF-5 | 5 | 1.2 | 21 | 2.1 | 28 | — |
| 1000CF-10 | 10 | 4.9 | 83 | 3.2 | | |
| 1000CF-15 | 15 | 19.6 | 332 | 6.6 | | |
| 1000CF-20 | 20 | 44.2 | 750 | 7.2 | | |
| 1000CF-30 | 30 | 123.0 | 2000 | 7.6 | | |
| 1000CF-35 | 35 | 177.1 | 3000 | 8.3 | | |

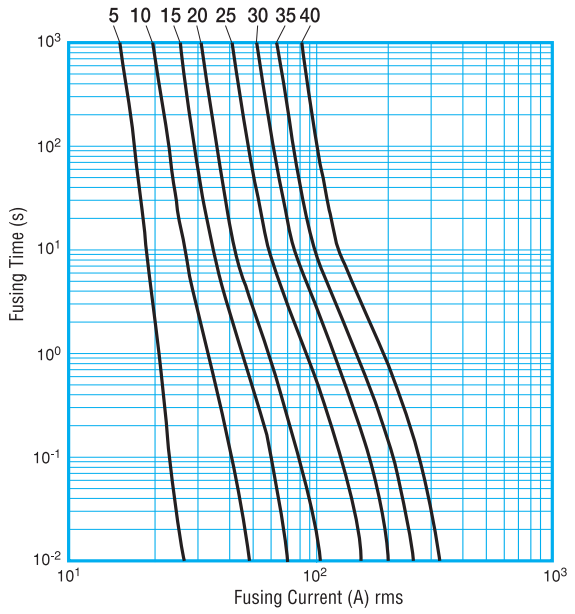
## Dimensions 700CF/800CF 1000CF



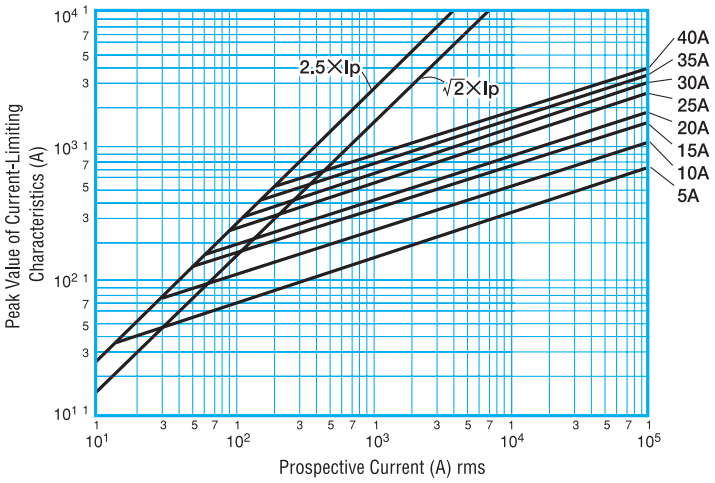



# 700CF/800CF

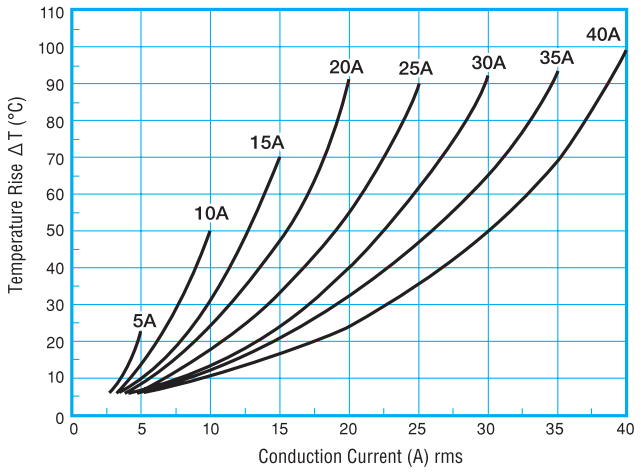
## Fusing Characteristics



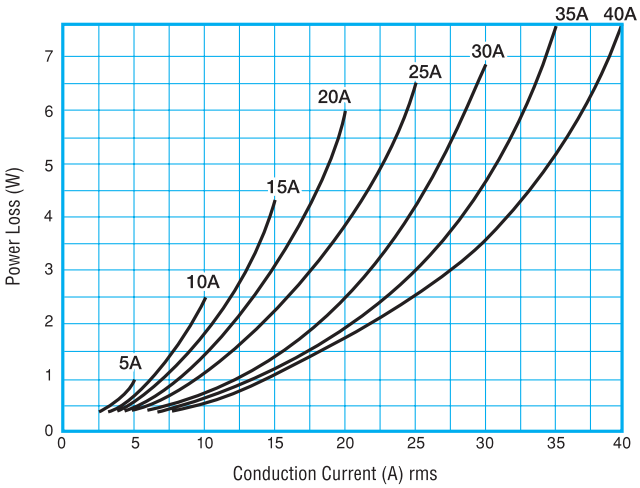

## Current-Limiting Characteristics



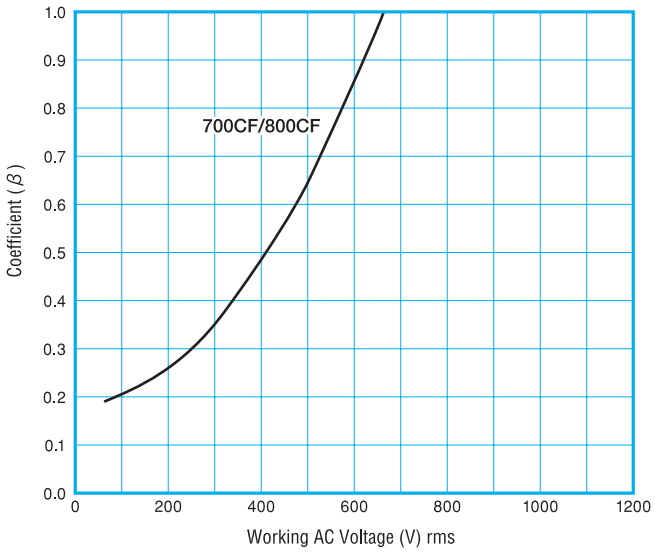

## Temperature Rise



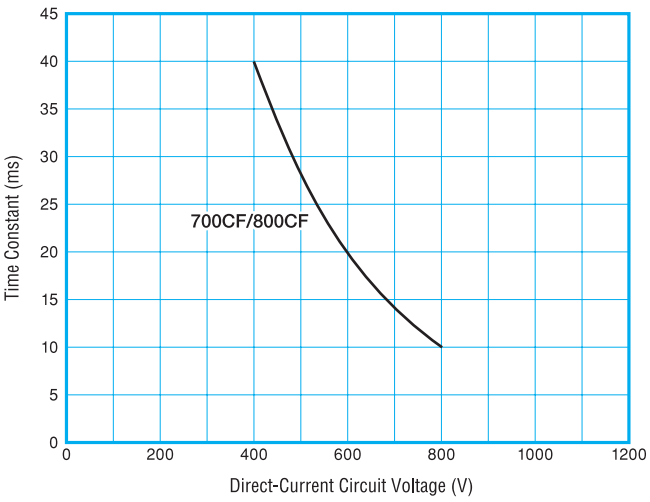

## Power Loss




## Shutdown I²t Against Working AC Voltage

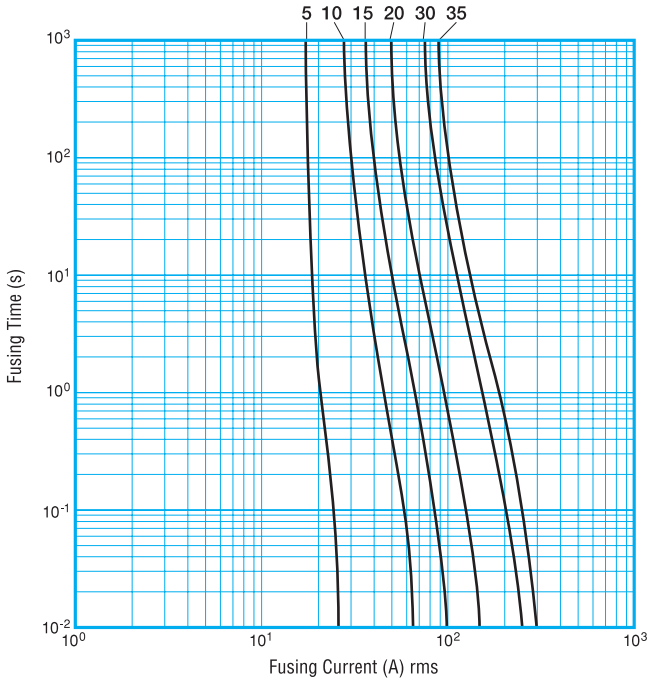



## Application to Direct-Current Circuit

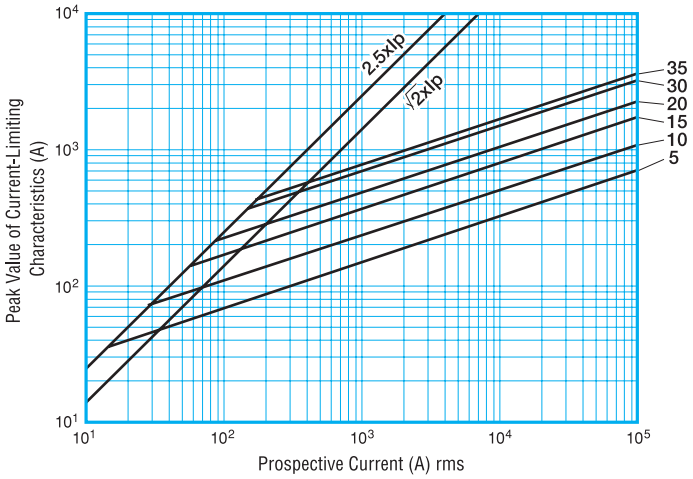


# 1000CF

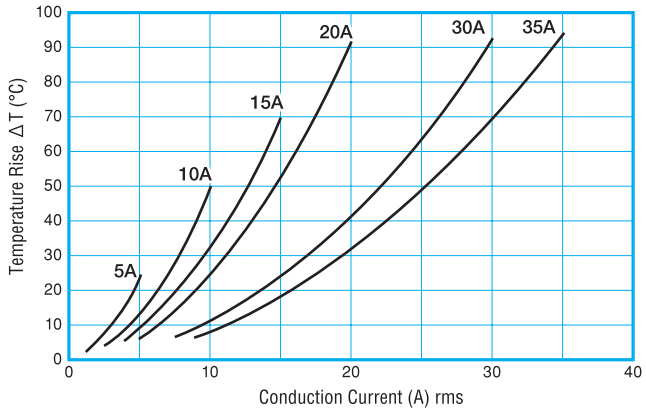
## Fusing Characteristics



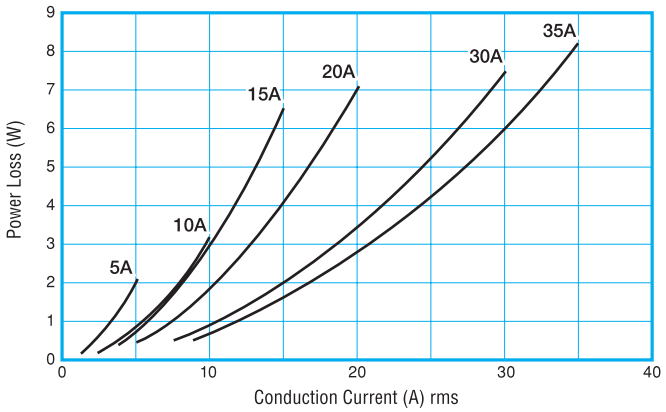

## Current-Limiting Characteristics



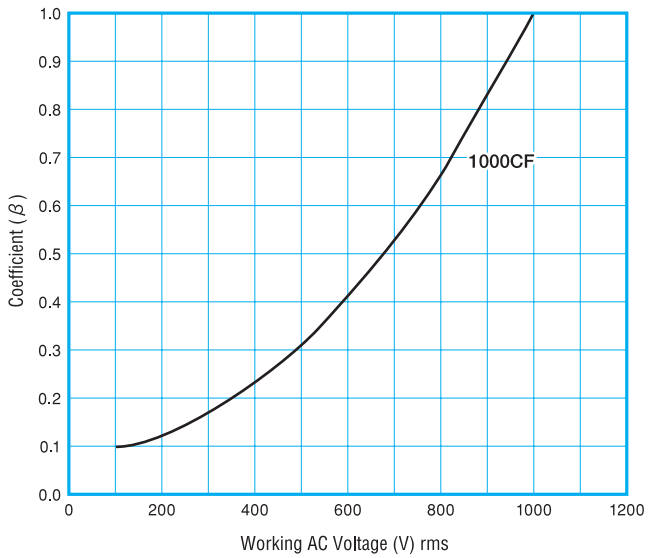

## Temperature Rise

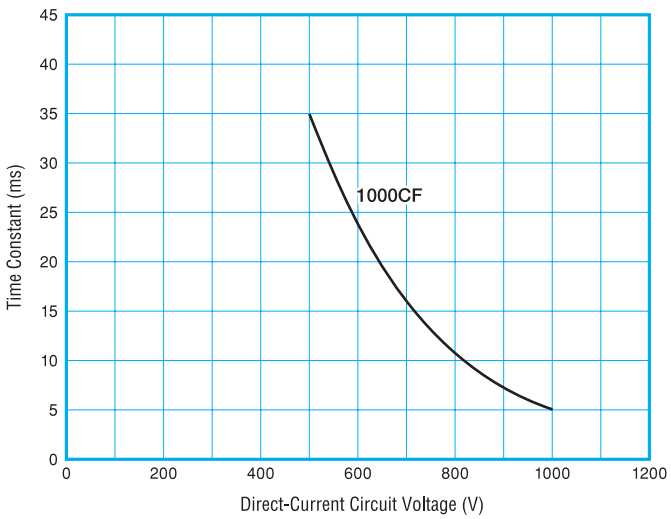



## Power Loss




## Shutdown $I^2t$ Against Working AC Voltage




## Application to Direct-Current Circuit