



# THE DATASHEET OF TCA-20A

## Product Specifications

## Part Numbers Information

## Electrical Specifications

Voltage Rating 250VAC

Operating Temperature: -55°C ~ 125°C

## Standards

500mA-15A

20A-30A

Tested to UL 248-14 Standard. File E197390

Tested to CSA C22.2 No.248.14 Standard. File E197390



## Interrupting Rating

10kA @125VAC (500mA-15A)

35A @250VAC (500mA-1A)

100A @250VAC (1.2A-3.5A)

200A @250VAC (1.2A-3.5A)

750A @250VAC (12A-15A)

400A @125VAC (20A-30A)

100A @250VAC (20A-30A)

500A @125VAC (1A-15A) (PSE)

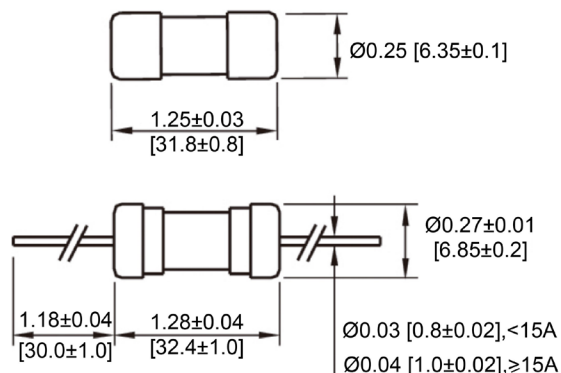
100A @250VAC (1A-30A) (PSE)

100A @250VAC (500mA-10A) (KC)

## Material Specifications

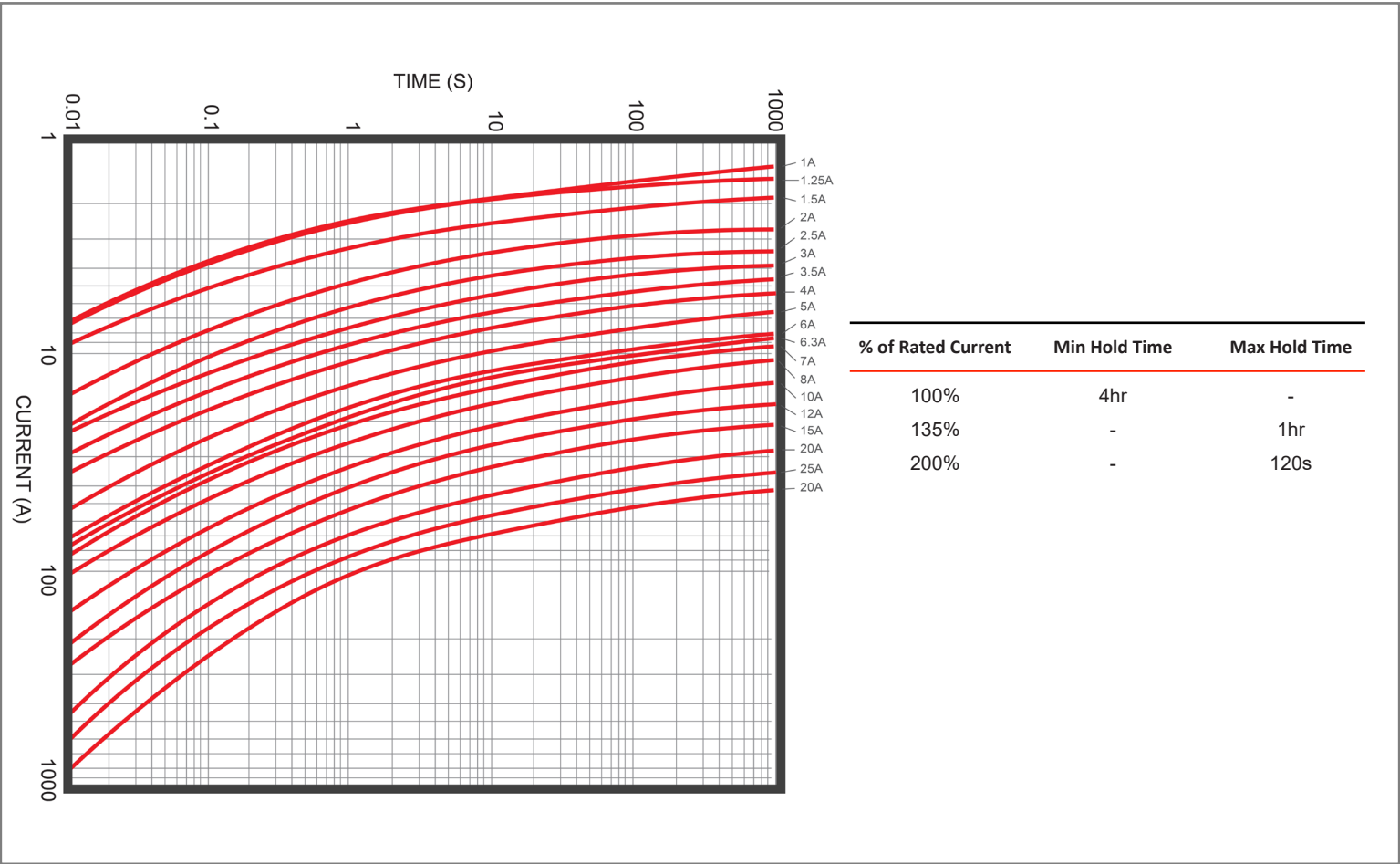
Body Material: Ceramic

## Mechanical Dimensions: Inches [mm]

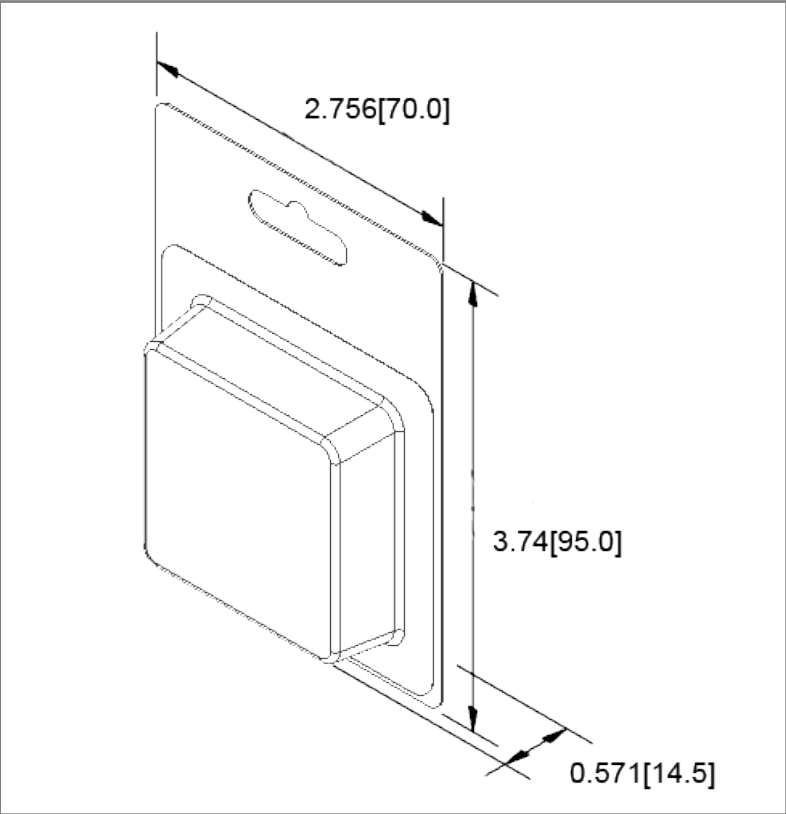


| Cartridge<br>P/N | Axial Lead<br>P/N | Ampere<br>Rating | I <sup>2</sup> T Reference<br>(A <sup>2</sup> Sec) |
|------------------|-------------------|------------------|----------------------------------------------------|
| TCA-500mA        | TCA-P-500mA       | 500mA            | -                                                  |
| TCA-600mA        | TCA-P-600mA       | 600mA            | -                                                  |
| TCA-630mA        | TCA-P-630mA       | 630mA            | -                                                  |
| TCA-750mA        | TCA-P-750mA       | 750mA            | -                                                  |
| TCA-800mA        | TCA-P-800mA       | 800mA            | -                                                  |
| TCA-1A           | TCA-P-1A          | 1A               | 0.5117                                             |
| TCA-1.2A         | TCA-P-1.2A        | 1.2A             | 0.4802                                             |
| TCA-1.25A        | TCA-P-1.25A       | 1.25A            | 0.5002                                             |
| TCA-1.5A         | TCA-P-1.5A        | 1.5A             | 0.7983                                             |
| TCA-1.6A         | TCA-P-1.6A        | 1.6A             | 1.521                                              |
| TCA-2A           | TCA-P-2A          | 2A               | 2.342                                              |
| TCA-2.5A         | TCA-P-2.5A        | 2.5A             | 4.545                                              |
| TCA-3A           | TCA-P-3A          | 3A               | 4.987                                              |
| TCA-3.15A        | TCA-P-3.15A       | 3.15A            | 5.246                                              |
| TCA-3.5A         | TCA-P-3.5A        | 3.5A             | 8.456                                              |
| TCA-4A           | TCA-P-4A          | 4A               | 12.47                                              |
| TCA-5A           | TCA-P-5A          | 5A               | 26.52                                              |
| TCA-6A           | TCA-P-6A          | 6A               | 49.68                                              |
| TCA-7A           | TCA-P-7A          | 7A               | 70.47                                              |
| TCA-8A           | TCA-P-8A          | 8A               | 108.5                                              |
| TCA-10A          | TCA-P-10A         | 10A              | 238.8                                              |
| TCA-12A          | TCA-P-12A         | 12A              | 434.6                                              |
| TCA-13A          | TCA-P-13A         | 13A              | 531.2                                              |
| TCA-15A          | TCA-P-15A         | 15A              | 720.1                                              |
| TCA-20A          | TCA-P-20A         | 20A              | 2008                                               |
| TCA-25A          | TCA-P-25A         | 25A              | 3511                                               |
| TCA-30A          | TCA-P-30A         | 30A              | 6658                                               |

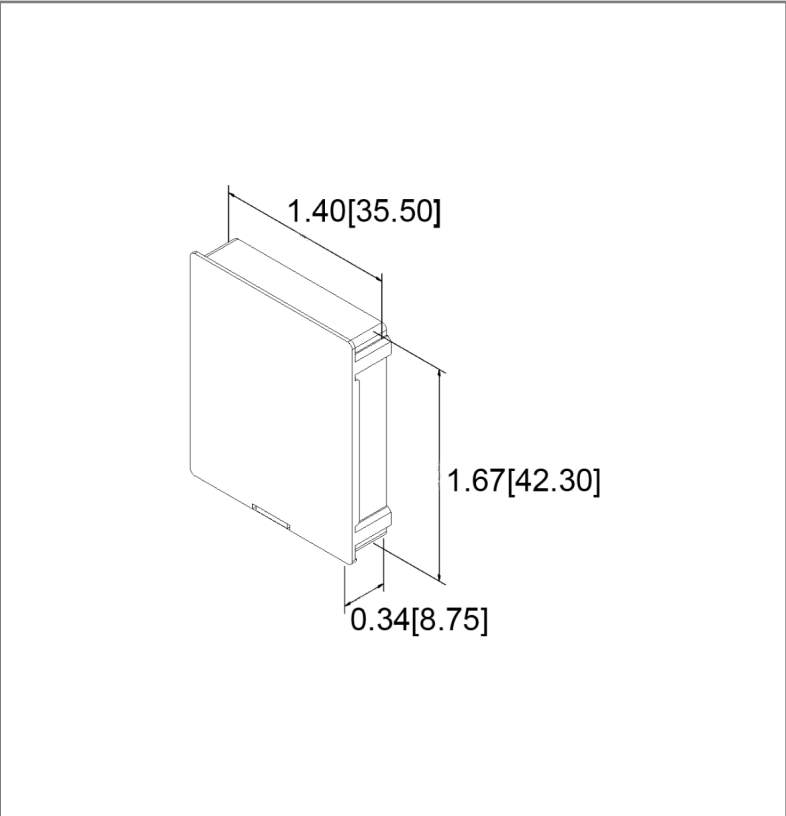
Time vs Percent of Rated Current



Blister Pack: Inches [mm]



Pill Box: Inches [mm]



Retail Pack Part Number Information

| Ampere Rating | Retail Pack #<br>Blister Card (5PCS) | Retail Pack #<br>Pill Box (5PCS) |
|---------------|--------------------------------------|----------------------------------|
| 100mA         | TCA-100mA-BP                         | TCA-100mA-BX                     |
| 250mA         | TCA-250mA-BP                         | TCA-250mA-BX                     |
| 500mA         | TCA-500mA-BP                         | TCA-500mA-BX                     |
| 630mA         | TCA-630mA-BP                         | TCA-630mA-BX                     |
| 800mA         | TCA-800mA-BP                         | TCA-800mA-BX                     |
| 1A            | TCA-1A-BP                            | TCA-1A-BX                        |
| 1.25A         | TCA-1.25A-BP                         | TCA-1.25A-BX                     |
| 1.5A          | TCA-1.5A-BP                          | TCA-1.5A-BX                      |
| 1.6A          | TCA-1.6A-BP                          | TCA-1.6A-BX                      |
| 2A            | TCA-2A-BP                            | TCA-2A-BX                        |
| 2.5A          | TCA-2.5A-BP                          | TCA-2.5A-BX                      |
| 3A            | TCA-3A-BP                            | TCA-3A-BX                        |
| 4A            | TCA-4A-BP                            | TCA-4A-BX                        |
| 5A            | TCA-5A-BP                            | TCA-5A-BX                        |
| 6A            | TCA-6A-BP                            | TCA-6A-BX                        |
| 7A            | TCA-7A-BP                            | TCA-7A-BX                        |
| 8A            | TCA-8A-BP                            | TCA-8A-BX                        |
| 10A           | TCA-10A-BP                           | TCA-10A-BX                       |
| 12A           | TCA-12A-BP                           | TCA-12A-BX                       |
| 15A           | TCA-15A-BP                           | TCA-15A-BX                       |
| 20A           | TCA-20A-BP                           | TCA-20A-BX                       |
| 25A           | TCA-25A-BP                           | TCA-25A-BX                       |
| 30A           | TCA-30A-BP                           | TCA-30A-BX                       |

\* Retail packs are for cartridge style fuses only

| Rev | Date of issue | Revision Notes  | Designed | Approved |
|-----|---------------|-----------------|----------|----------|
| E   | 03-07-2024    | Initial Drawing | RC       | OF       |

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View TCA-20A](#) on WIN SOURCE

 [OptiFuse](#) Information

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management