

## Product Specifications

### Electrical Specifications

600VAC – 1A - 30A  
300VDC – 1A - 30A

### Standards

1A-30A - Tested to UL 248-4 Standard. File E523284  
1A-30A - Tested to CSA C22.2 No.248.4 Standard. File E523284



Branch-circuit Fuses

### Interrupting Rating

200,000 amperes at 600V AC(1A-30A)  
20,000 amperes at 300V DC(1A-30A)

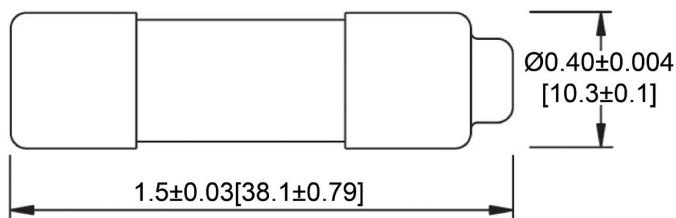
### Operation Temperature

-40°C to +90°C

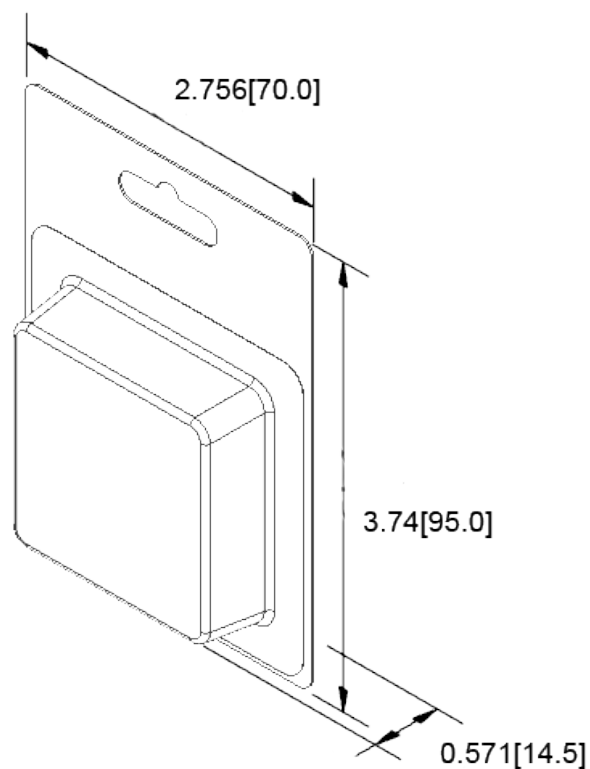
## Part Numbers Information

| Optifuse P/N | Current Rating |
|--------------|----------------|
| FPK-R-1A     | 1A             |
| FPK-R-1.25A  | 1.25A          |
| FPK-R-1.5A   | 1.5A           |
| FPK-R-1.6A   | 1.6A           |
| FPK-R-2A     | 2A             |
| FPK-R-2.5A   | 2.5A           |
| FPK-R-3A     | 3A             |
| FPK-R-3.15A  | 3.15A          |
| FPK-R-3.5A   | 3.5A           |
| FPK-R-4A     | 4A             |
| FPK-R-5A     | 5A             |
| FPK-R-6A     | 6A             |
| FPK-R-6.3A   | 6.3A           |
| FPK-R-7A     | 7A             |
| FPK-R-8A     | 8A             |
| FPK-R-9A     | 9A             |
| FPK-R-10A    | 10A            |
| FPK-R-12A    | 12A            |
| FPK-R-15A    | 15A            |
| FPK-R-16A    | 16A            |
| FPK-R-20A    | 20A            |
| FPK-R-25A    | 25A            |
| FPK-R-30A    | 30A            |

## Mechanical Dimensions: Inches [mm]



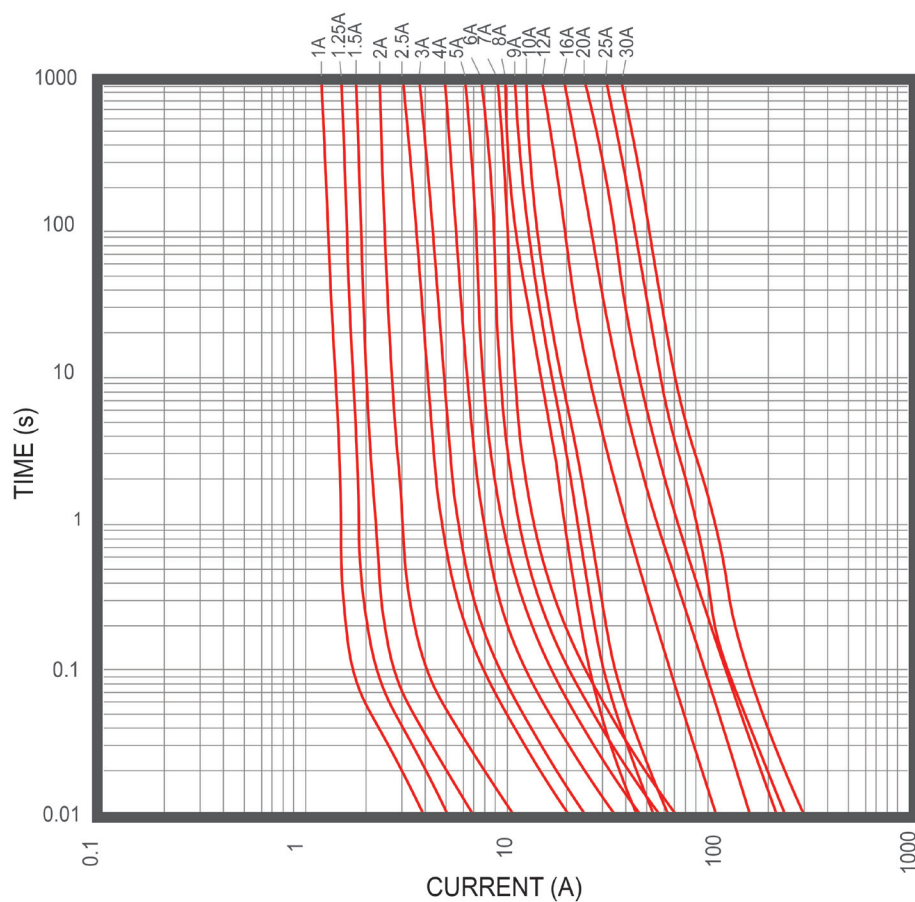
Blister Pack: Inches [mm]



Retail Pack Part Number Information

| Ampere Rating | Retail Pack #<br>Blister Card (1PCS) |
|---------------|--------------------------------------|
| 1A            | FPK-R-1A-BP                          |
| 1.25A         | FPK-R-1.25A-BP                       |
| 1.5A          | FPK-R-1.5A-BP                        |
| 1.6A          | FPK-R-1.6A-BP                        |
| 2A            | FPK-R-2A-BP                          |
| 2.5A          | FPK-R-2.5A-BP                        |
| 3A            | FPK-R-3A-BP                          |
| 3.15A         | FPK-R-3.15A-BP                       |
| 3.5A          | FPK-R-3.5A-BP                        |
| 4A            | FPK-R-4A-BP                          |
| 5A            | FPK-R-5A-BP                          |
| 6A            | FPK-R-6A-BP                          |
| 6.3A          | FPK-R-6.3A-BP                        |
| 7A            | FPK-R-7A-BP                          |
| 8A            | FPK-R-8A-BP                          |
| 9A            | FPK-R-9A-BP                          |
| 10A           | FPK-R-10A-BP                         |
| 12A           | FPK-R-12A-BP                         |
| 15A           | FPK-R-15A-BP                         |
| 16A           | FPK-R-16A-BP                         |
| 20A           | FPK-R-20A-BP                         |
| 25A           | FPK-R-25A-BP                         |
| 30A           | FPK-R-30A-BP                         |

## Time vs. Percent of Rated Current

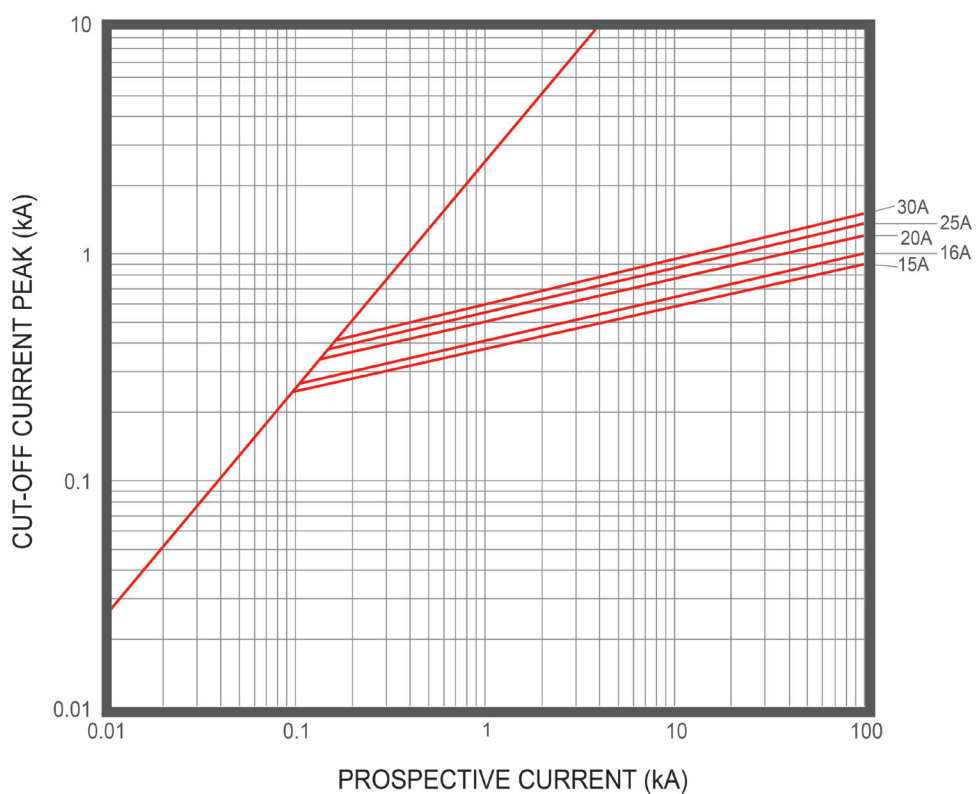
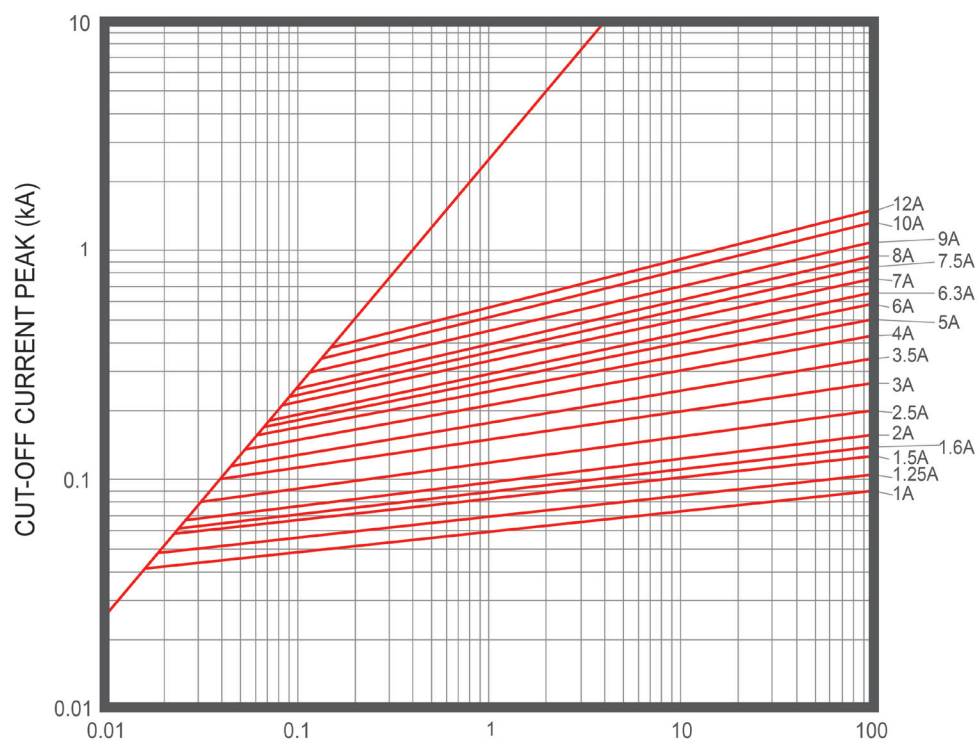


| % of Rated Current | Blowing Time    |
|--------------------|-----------------|
| 100%               | 15 minutes Min. |
| 135%               | 1 hr Max.       |
| 200%               | 4 minutes Max.  |

## Clearing I<sup>2</sup>T

| Optifuse P/N | Current Rating | I <sup>2</sup> t(pre-arcing)<br>A <sup>2</sup> s | I <sup>2</sup> t(fusing)<br>A <sup>2</sup> s |
|--------------|----------------|--------------------------------------------------|----------------------------------------------|
| FPK-R-1A     | 1A             | 0.04                                             | 0.13                                         |
| FPK-R-3A     | 3A             | 2.5                                              | 8.1                                          |
| FPK-R-5A     | 5A             | 13                                               | 42                                           |
| FPK-R-10A    | 10A            | 145                                              | 440                                          |
| FPK-R-12A    | 12A            | 175                                              | 530                                          |
| FPK-R-20A    | 20A            | 205                                              | 620                                          |

## Peak Let-Thru Curve



Rev Date of issue Revision Notes

Designed Approved

|   |            |                                                            |    |    |
|---|------------|------------------------------------------------------------|----|----|
| E | 12-12-2024 | Added Blister Pack and Retail Pack Part Number Information | RC | OF |
|---|------------|------------------------------------------------------------|----|----|