

# ANTREX Electronics

## Electronic Components Sourcing Information

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### Product Reference Information

|                      |                           |
|----------------------|---------------------------|
| <b>Part Number:</b>  | 5SF 125                   |
| <b>Manufacturer:</b> | Bel Fuse Inc.             |
| <b>Package:</b>      | Bulk                      |
| <b>Availability:</b> | Please confirm with sales |

#### Product Page:

<https://antrexco.com/product/details/bel-fuse-inc/5sf-125.html>

#### Request a Quote:

[Submit RFQ for this part](#)



Scan for product page

### Contact Information

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### Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

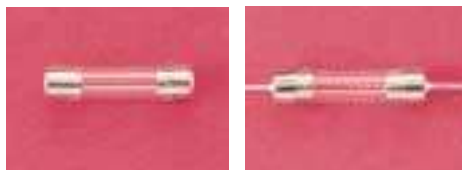
Secure sourcing support for OEM / EMS projects

#### Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

## 5SFD0801



### Electrical Characteristics (IEC-127-2 STANDARD SHEET 2)

| Rated Current   | 1.5 In | 2.1 In | 2.75 In |     | 4 In |     | 10 In |
|-----------------|--------|--------|---------|-----|------|-----|-------|
|                 | MIN    | MAX    | MIN     | MAX | MIN  | MAX | MAX   |
| 80mA to 100mA   | 1      | 30     | 10      | 0.5 | 3    | 100 | 20    |
| 125mA and above | 1      | 30     | 50      | 2   | 10   | 300 | 20    |
|                 | hr.    | min.   | ms      | sec | ms   | ms  | ms    |

### Approvals



| Safety Agency Approvals                                                         | Amp range / Volt @ I.R. ability                             |
|---------------------------------------------------------------------------------|-------------------------------------------------------------|
| Certificate No. 0035174 / 0046197<br>Licence No. 85637<br>Certificate No. EI264 | 80mA - 6.3A / 250V AC@ 35A or<br>10 In whichever is greater |
| Recognized File No. E20624<br>Acceptance File No. LR39772                       |                                                             |

### Operating Temperature

-55°C to +125°C

### Physical Specification

#### Materials

Glass body / Nickel Plated Brass Caps

Lead wire:

Tin-lead plated Copper,  
 Diameter 0.032", 6.3A and less  
 Diameter 0.040", 8A and above

#### Marking

On fuse:

"bel", "F", "Current Rating", "L", "250V",  
 and "Appropriate Safety Logos"

On label:

Above info plus "5SF" or "5SFP" "CC" and  
 interrupting rating

#### Packaging

1. In bulk:

5SF - 1,000 pcs per box; 5SFP - 500 pcs per box

2. On Axial Tape & Reel:

1,500 pcs per reel

3. Tape & Reel specification:

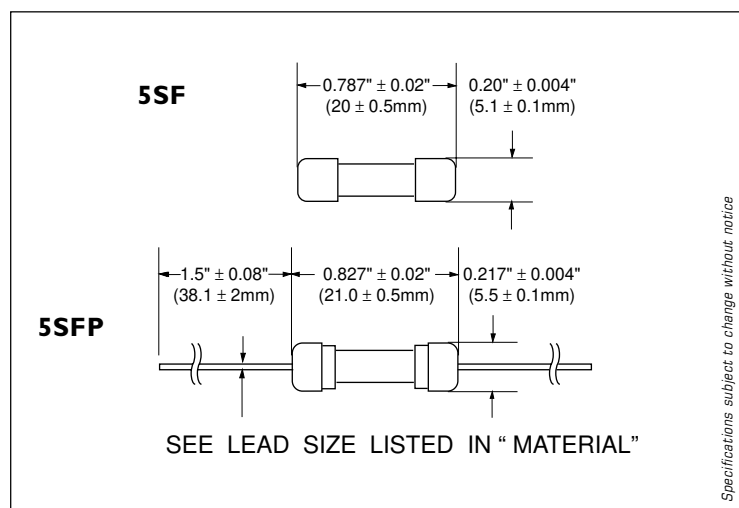
per EIA-296-E & IEC 286-1

@ 10mm Pitch and 63.5mm inside Tape Spacing

| Catalog Number | Ampere Rating | Typical Cold Resistance (ohm) | Volt-drop @ 100% In (Volt) max. | Melting I <sup>2</sup> T < 10 mSec (A <sup>2</sup> Sec) | Melting I <sup>2</sup> T @ 10 In (A <sup>2</sup> Sec) | Maximum Power Dissipation (W) |
|----------------|---------------|-------------------------------|---------------------------------|---------------------------------------------------------|-------------------------------------------------------|-------------------------------|
| 5SF (P) 80     | 80mA          | 6.8                           | 0.93                            | 0.003                                                   | 0.003                                                 | 0.39                          |
| 5SF (P) 100    | 100mA         | 4.9                           | 0.84                            | 0.005                                                   | 0.005                                                 | 0.44                          |
| 5SF (P) 125    | 125mA         | 3.5                           | 0.76                            | 0.009                                                   | 0.008                                                 | 0.50                          |
| 5SF (P) 160    | 160mA         | 2.5                           | 0.68                            | 0.017                                                   | 0.015                                                 | 0.57                          |
| 5SF (P) 200    | 200mA         | 1.8                           | 0.62                            | 0.030                                                   | 0.028                                                 | 0.64                          |
| 5SF (P) 250    | 250mA         | 1.3                           | 0.56                            | 0.05                                                    | 0.05                                                  | 0.73                          |
| 5SF (P) 315    | 315mA         | 0.9                           | 0.50                            | 0.10                                                    | 0.09                                                  | 0.83                          |
| 5SF (P) 400    | 400mA         | 0.67                          | 0.45                            | 0.17                                                    | 0.17                                                  | 0.94                          |
| 5SF (P) 500    | 500mA         | 0.25                          | 0.14                            | 0.40                                                    | 0.40                                                  | 0.12                          |
| 5SF (P) 630    | 630mA         | 0.19                          | 0.13                            | 0.64                                                    | 0.65                                                  | 0.15                          |
| 5SF (P) 800    | 800mA         | 0.14                          | 0.13                            | 1.01                                                    | 1.04                                                  | 0.20                          |
| 5SF (P) 1      | 1A            | 0.11                          | 0.12                            | 1.6                                                     | 1.7                                                   | 0.27                          |
| 5SF (P) 1.25   | 1.25A         | 0.08                          | 0.11                            | 2.5                                                     | 2.7                                                   | 0.35                          |
| 5SF (P) 1.6    | 1.6A          | 0.06                          | 0.11                            | 4.0                                                     | 4.4                                                   | 0.47                          |
| 5SF (P) 2      | 2A            | 0.04                          | 0.10                            | 6.4                                                     | 7.0                                                   | 0.62                          |
| 5SF (P) 2.5    | 2.5A          | 0.03                          | 0.10                            | 10.2                                                    | 11.4                                                  | 0.82                          |
| 5SF (P) 3.15   | 3.15A         | 0.025                         | 0.09                            | 16                                                      | 18                                                    | 1.08                          |
| 5SF (P) 4      | 4A            | 0.019                         | 0.09                            | 26                                                      | 30                                                    | 1.43                          |
| 5SF (P) 5      | 5A            | 0.014                         | 0.08                            | 41                                                      | 48                                                    | 1.89                          |
| 5SF (P) 6.3    | 6.3A          | 0.011                         | 0.08                            | 65                                                      | 74                                                    | 2.50                          |
| 5SF (P) 8      | 8A            | 0.008                         | 0.08                            | 103                                                     | 119                                                   | 3.30                          |
| 5SF (P) 10     | 10A           | 0.006                         | 0.07                            | 163                                                     | 192                                                   | 4.37                          |

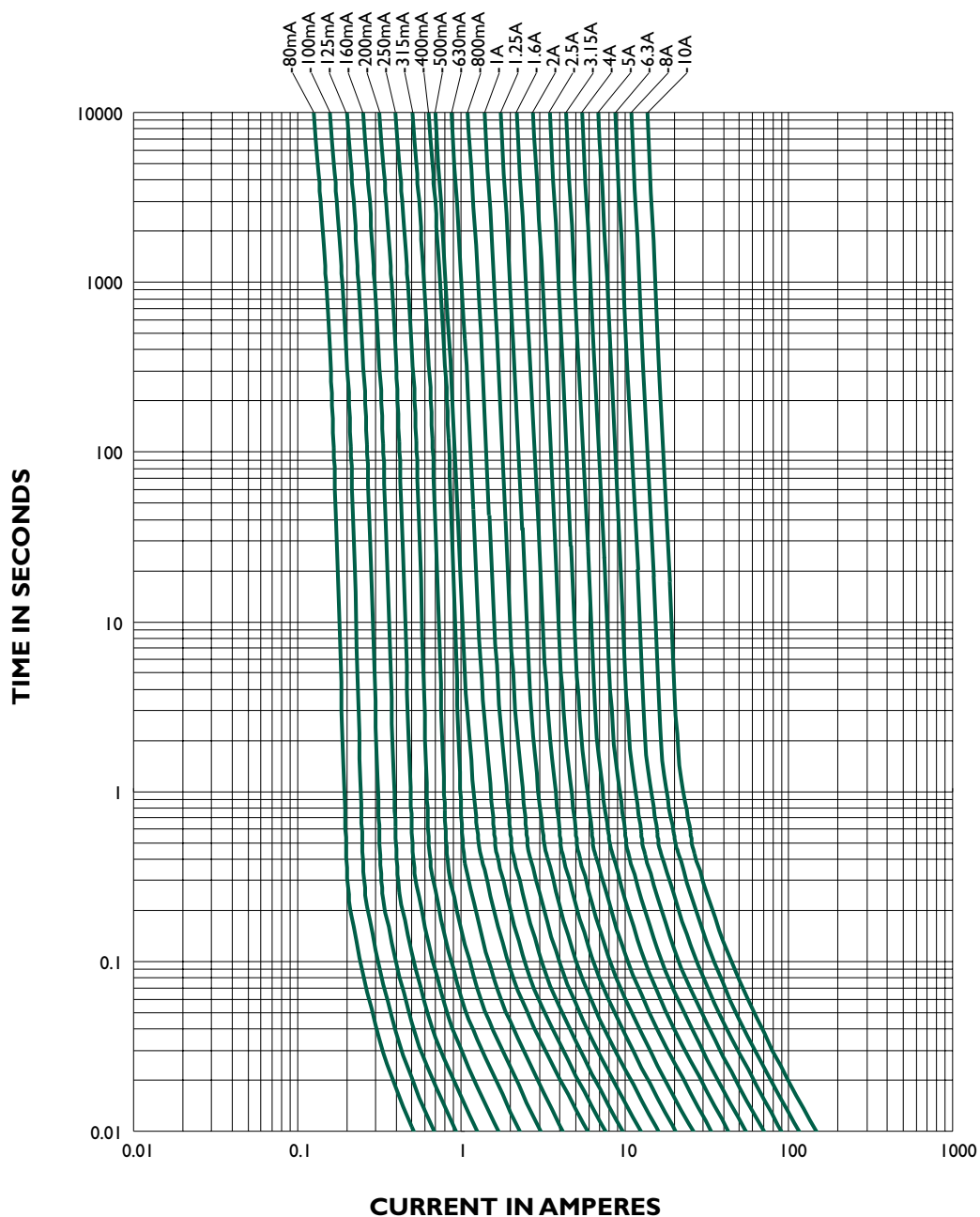
Consult manufacturer for other ratings

### Mechanical Dimensions



ORDERING INFORMATION SEE PAGES 67 & 68

## 5SF / 5SFP - TIME CURRENT CHARACTERISTIC CURVE



Specifications subject to change without notice

NOTE - see important information under "User Guide" on P.08

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