

# ANTREX Electronics

## Electronic Components Sourcing Information

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### Product Reference Information

**Part Number:** 5HF 125  
**Manufacturer:** Bel Fuse Inc.  
**Package:** Bulk  
**Availability:** Please confirm with sales

**Product Page:**

<https://antrexco.com/product/details/bel-fuse-inc/5hf-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

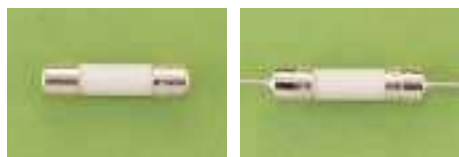
Secure sourcing support for OEM / EMS projects

**Note:**

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

## 5HFD0903



### Electrical Characteristics (IEC-127-2 STANDARD SHEET 1)

| Rated Current  | 1.5 In |      | 2.1 In |     | 2.75 In |     | 4 In |     | 10 In |
|----------------|--------|------|--------|-----|---------|-----|------|-----|-------|
|                | MIN    | MAX  | MIN    | MAX | MIN     | MAX | MIN  | MAX | MAX   |
| 100mA to 3.15A | 1      | 30   | 10     | 2   | 3       | 300 | 20   |     |       |
| 4A and above   | 1      | 30   | 10     | 3   | 3       | 300 | 20   |     |       |
|                | hr.    | min. | ms     | sec | ms      | ms  | ms   |     |       |

### Approvals

| Safety Agency Approvals                                                           | Amp range / Volt @ I.R.ability |
|-----------------------------------------------------------------------------------|--------------------------------|
| Certificate No. 9351184; 9431177<br>Licence No. 40000506<br>Certificate No. E1262 | 1A - 6.3A / 250V AC@ 1,500A    |
| Recognized File No. E20624<br>Acceptance File No. LR39772                         |                                |
| File No. JET1037-31003-1004, JET1037-31003-1005                                   | 1A - 5A / 250V AC@ 1,500A      |
| Licence No. 2002010207021529                                                      | 100mA - 10A / 250V AC@ 1,500A  |

### Operating Temperature

-55°C to +125°C

### Physical Specification

#### Materials

Ceramic 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", "H", "250V",  
and "Appropriate Safety Logos"

On label:

Above info plus "5HF" or "5HFP", "CE" and interrupting rating

#### Packaging

1. In bulk:

5HF - 1,000 pcs per box; 5HFP - 500 pcs per box

2. On Axial Tape & Reel:

1,500 pcs per reel

3. Tape & Reel specification:

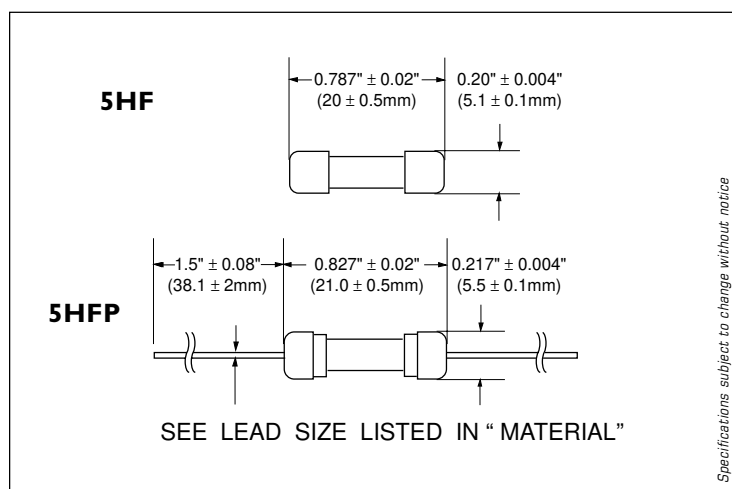
per EIA-296-E & IEC 286-1

@ 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) |
|----------------|---------------|-------------------------------|--------------------------------|---------------------------------------------------------|------------------------------------------------------|-------------------------------|
| 5HF (P) 100    | 100mA         | 3.85                          | 0.56                           | 0.003                                                   | 0.002                                                | 0.30                          |
| 5HF (P) 125    | 125mA         | 2.78                          | 0.54                           | 0.005                                                   | 0.004                                                | 0.36                          |
| 5HF (P) 160    | 160mA         | 2.01                          | 0.52                           | 0.009                                                   | 0.008                                                | 0.43                          |
| 5HF (P) 200    | 200mA         | 1.45                          | 0.50                           | 0.016                                                   | 0.014                                                | 0.52                          |
| 5HF (P) 250    | 250mA         | 1.05                          | 0.48                           | 0.028                                                   | 0.026                                                | 0.63                          |
| 5HF (P) 315    | 315mA         | 0.76                          | 0.46                           | 0.051                                                   | 0.046                                                | 0.76                          |
| 5HF (P) 400    | 400mA         | 0.55                          | 0.44                           | 0.091                                                   | 0.084                                                | 0.92                          |
| 5HF (P) 500    | 500mA         | 0.40                          | 0.43                           | 0.16                                                    | 0.15                                                 | 1.11                          |
| 5HF (P) 630    | 630mA         | 0.29                          | 0.41                           | 0.29                                                    | 0.27                                                 | 1.35                          |
| 5HF (P) 800    | 800mA         | 0.21                          | 0.20                           | 0.36                                                    | 0.35                                                 | 0.58                          |
| 5HF (P) 1      | 1A            | 0.15                          | 0.18                           | 0.65                                                    | 0.63                                                 | 0.69                          |
| 5HF (P) 1.25   | 1.25A         | 0.11                          | 0.17                           | 1.17                                                    | 1.15                                                 | 0.81                          |
| 5HF (P) 1.6    | 1.6A          | 0.08                          | 0.16                           | 2.10                                                    | 2.07                                                 | 0.96                          |
| 5HF (P) 2      | 2A            | 0.06                          | 0.15                           | 3.8                                                     | 3.7                                                  | 1.1                           |
| 5HF (P) 2.5    | 2.5A          | 0.04                          | 0.14                           | 6.8                                                     | 6.8                                                  | 1.3                           |
| 5HF (P) 3.15   | 3.15A         | 0.031                         | 0.14                           | 12.2                                                    | 12.3                                                 | 1.6                           |
| 5HF (P) 4      | 4A            | 0.023                         | 0.13                           | 22                                                      | 22                                                   | 1.9                           |
| 5HF (P) 5      | 5A            | 0.016                         | 0.12                           | 39                                                      | 40                                                   | 2.2                           |
| 5HF (P) 6.3    | 6.3A          | 0.012                         | 0.113                          | 70                                                      | 73                                                   | 2.7                           |
| 5HF (P) 8      | 8A            | 0.009                         | 0.106                          | 126                                                     | 131                                                  | 3.1                           |
| 5HF (P) 10     | 10A           | 0.006                         | 0.100                          | 227                                                     | 238                                                  | 3.7                           |

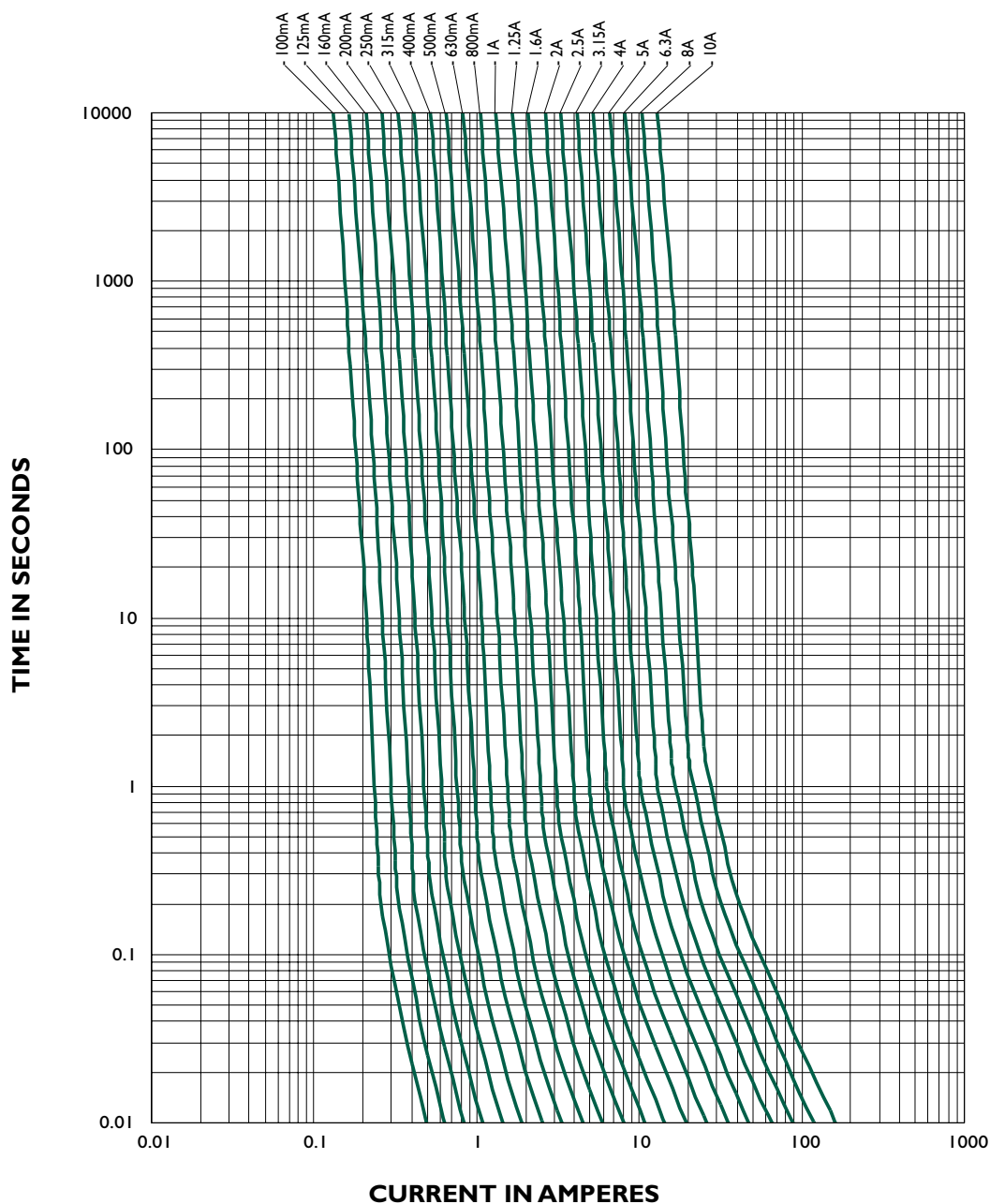
Consult manufacturer for other ratings

### Mechanical Dimensions



ORDERING INFORMATION SEE PAGES 67 & 68

## 5HF / 5HFP - TIME CURRENT CHARACTERISTIC CURVE



Specifications subject to change without notice

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

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