

# ANTREX Electronics

## Electronic Components Sourcing Information

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### Product Reference Information

**Part Number:** 5ST 500  
**Manufacturer:** Bel Fuse Inc.  
**Package:** Bulk  
**Availability:** Please confirm with sales

**Product Page:**

<https://antrexco.com/product/details/bel-fuse-inc/5st-500.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

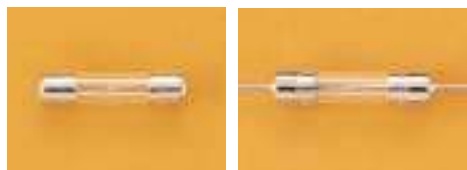
Secure sourcing support for OEM / EMS projects

**Note:**

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

## 5STD0801



### Electrical Characteristics (IEC-127-2 STANDARD SHEET 3)

| Rated Current   | 1.5 In |      | 2.1 In |     | 2.75 In |     | 4 In |     | 10 In |     |
|-----------------|--------|------|--------|-----|---------|-----|------|-----|-------|-----|
|                 | MIN    | MAX  | MIN    | MAX | MIN     | MAX | MIN  | MAX | MIN   | MAX |
| 63mA to 100mA   | 1      | 2    | 200    | 10  | 40      | 3   | 10   | 300 |       |     |
| 125mA and above | 1      | 2    | 600    | 10  | 150     | 3   | 20   | 300 |       |     |
|                 | hr.    | min. | ms     | sec | ms      | sec | ms   | ms  |       |     |

### Approvals



| Safety Agency Approvals                                               | Amp range / Volt @ I.R. ability                          |
|-----------------------------------------------------------------------|----------------------------------------------------------|
| Certificate No. 0045061<br>License No. 85636<br>Certificate No. E1261 | 63mA - 6.3A / 250V AC@ 35A or 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", "T", "Current Rating", "L", "250V" and  
"Appropriate Safety Logos"

On label:

Above info plus "5ST" or "5STP", "CE" and  
interrupting rating

#### Packaging

1. In bulk:

5ST - 1,000 pcs per box; 5STP - 500 pcs per box

2. On Axial Tape & Reel:

1,500 pcs per reel

3. Tape & Reel specification:

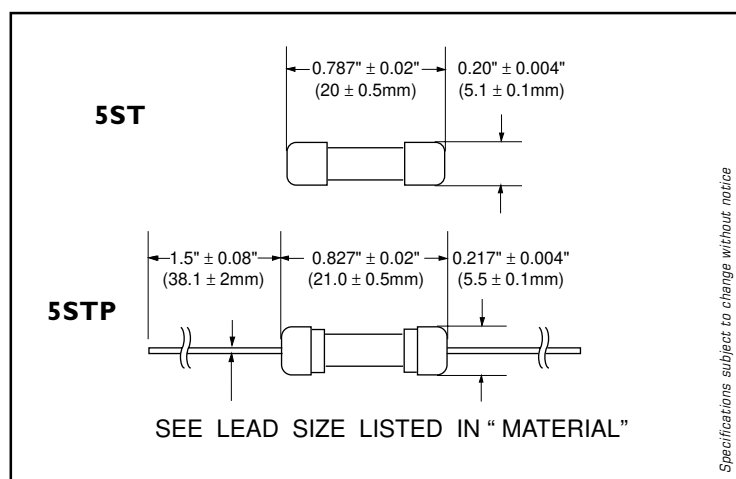
per EIA-296-E & IEC 286-1

@ 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) |
|----------------|---------------|-------------------------------|--------------------------------|---------------------------------------------------------|------------------------------------------------------|-------------------------------|
| 5ST (P) 63     | 63mA          | 23.9                          | 2.77                           | 0.008                                                   | 0.021                                                | 0.28                          |
| 5ST (P) 80     | 80mA          | 15.7                          | 2.24                           | 0.015                                                   | 0.036                                                | 0.29                          |
| 5ST (P) 100    | 100mA         | 10.3                          | 1.82                           | 0.03                                                    | 0.06                                                 | 0.30                          |
| 5ST (P) 125    | 125mA         | 6.8                           | 1.47                           | 0.05                                                    | 0.11                                                 | 0.30                          |
| 5ST (P) 160    | 160mA         | 4.4                           | 1.19                           | 0.08                                                    | 0.19                                                 | 0.31                          |
| 5ST (P) 200    | 200mA         | 2.9                           | 0.97                           | 0.15                                                    | 0.33                                                 | 0.32                          |
| 5ST (P) 250    | 250mA         | 1.9                           | 0.78                           | 0.26                                                    | 0.58                                                 | 0.32                          |
| 5ST (P) 315    | 315mA         | 1.3                           | 0.63                           | 0.46                                                    | 1.01                                                 | 0.33                          |
| 5ST (P) 400    | 400mA         | 0.82                          | 0.51                           | 0.81                                                    | 1.76                                                 | 0.34                          |
| 5ST (P) 500    | 500mA         | 0.54                          | 0.42                           | 1.4                                                     | 3.1                                                  | 0.34                          |
| 5ST (P) 630    | 630mA         | 0.22                          | 0.17                           | 0.9                                                     | 1.5                                                  | 0.18                          |
| 5ST (P) 800    | 800mA         | 0.15                          | 0.15                           | 1.6                                                     | 2.5                                                  | 0.20                          |
| 5ST (P) 1      | 1A            | 0.07                          | 0.10                           | 2.4                                                     | 3.3                                                  | 0.17                          |
| 5ST (P) 1.25   | 1.25A         | 0.06                          | 0.09                           | 4.1                                                     | 5.5                                                  | 0.19                          |
| 5ST (P) 1.6    | 1.6A          | 0.04                          | 0.09                           | 6.9                                                     | 8.9                                                  | 0.23                          |
| 5ST (P) 2      | 2A            | 0.03                          | 0.08                           | 12                                                      | 15                                                   | 0.26                          |
| 5ST (P) 2.5    | 2.5A          | 0.02                          | 0.07                           | 20                                                      | 24                                                   | 0.31                          |
| 5ST (P) 3.15   | 3.15A         | 0.018                         | 0.07                           | 33                                                      | 39                                                   | 0.36                          |
| 5ST (P) 4      | 4A            | 0.014                         | 0.06                           | 56                                                      | 64                                                   | 0.42                          |
| 5ST (P) 5      | 5A            | 0.011                         | 0.06                           | 95                                                      | 105                                                  | 0.49                          |
| 5ST (P) 6.3    | 6.3A          | 0.008                         | 0.06                           | 160                                                     | 173                                                  | 0.57                          |
| 5ST (P) 8      | 8A            | 0.006                         | 0.06                           | 260                                                     | 282                                                  | 0.8                           |
| 5ST (P) 10     | 10A           | 0.005                         | 0.06                           | 439                                                     | 461                                                  | 1.0                           |

Consult manufacturer for other ratings

### Mechanical Dimensions



Specifications subject to change without notice

ORDERING INFORMATION SEE PAGES 67 & 68

## 5ST / 5STP - TIME CURRENT CHARACTERISTIC CURVE



Specifications subject to change without notice

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

### Corporate Office

#### Bel Fuse Inc.

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