

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

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

Product Page:

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

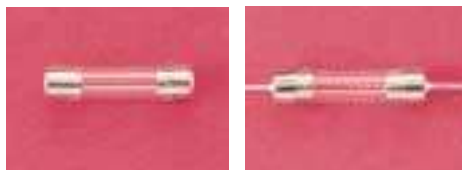
Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

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 Licence No. 85637 Certificate No. EI264	80mA - 6.3A / 250V AC@ 35A or 10 In whichever is greater
Recognized File No. E20624 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:

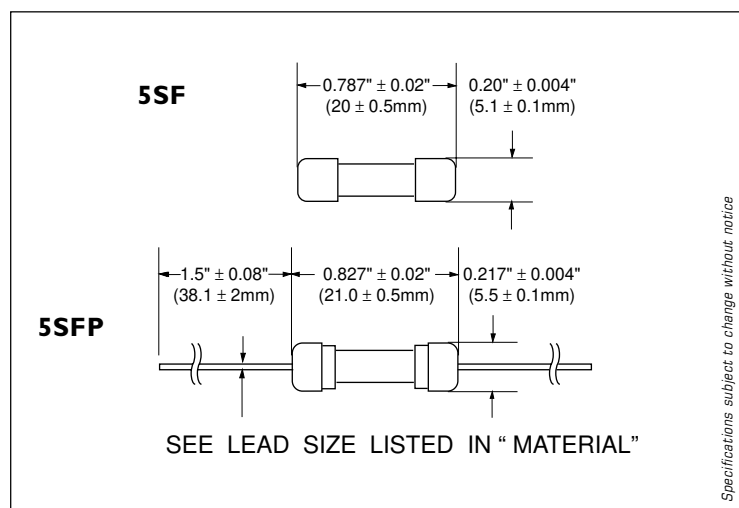
per EIA-296-E & IEC 286-1

@ 10mm Pitch and 63.5mm inside Tape Spacing

Catalog Number	Ampere Rating	Typical Cold Resistance (ohm)	Volt-drop @ 100% In (Volt) max.	Melting I ² T < 10 mSec (A ² Sec)	Melting I ² T @ 10 In (A ² 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

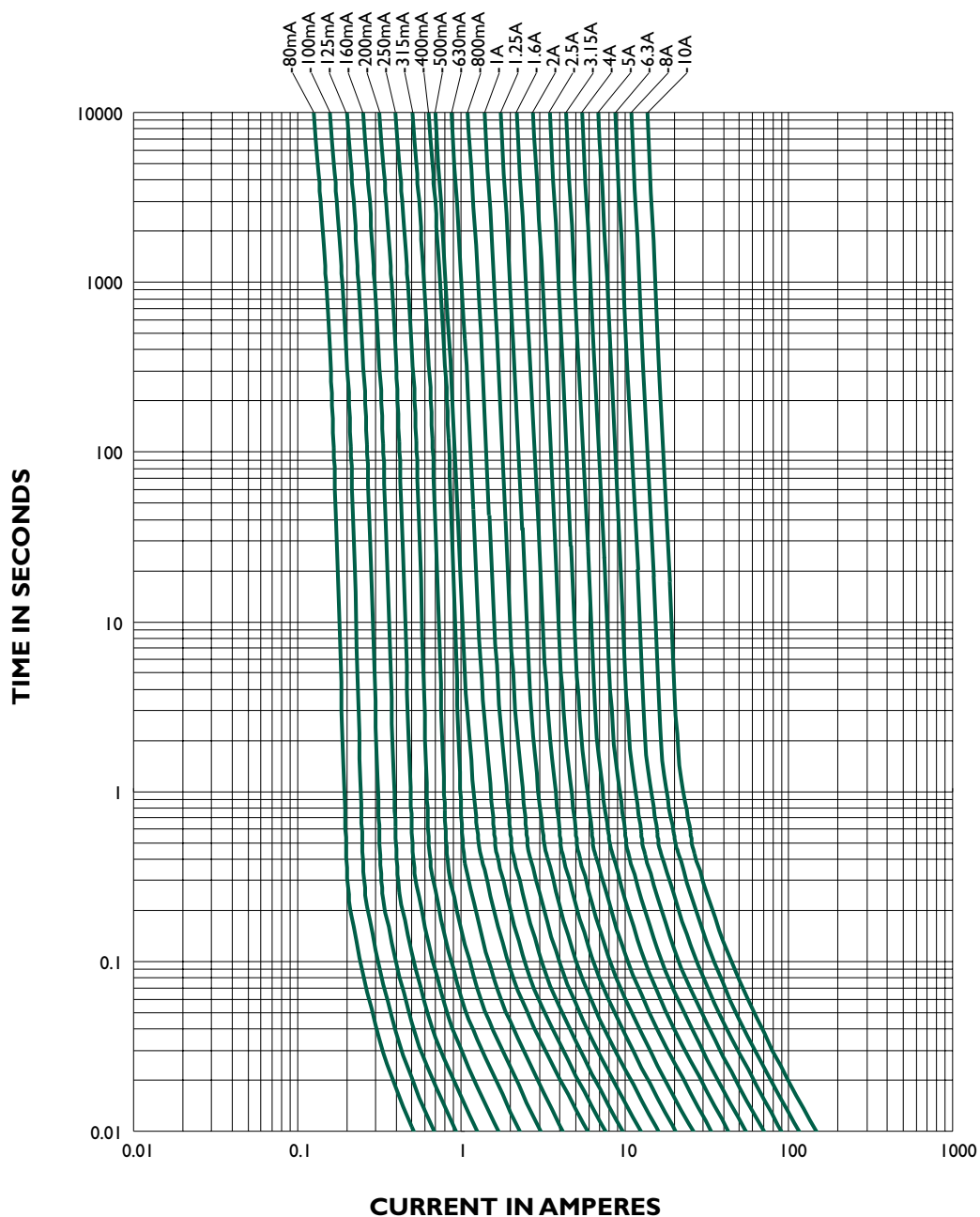
Consult manufacturer for other ratings

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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