

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: GSA 12

Manufacturer: Bel Fuse Inc.

Package: Bulk

Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/bel-fuse-inc/gsa-12.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

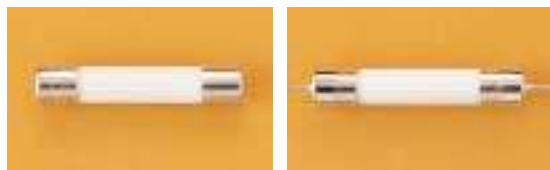
Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

GSAD0903



Electrical Characteristics (UL/CSA STD. 248-14)

Testing current	Blow Time	
	Minimum	Maximum
100%	4 Hrs.	N/A
135%	N/A	1 Hr
200%	5 sec	30 sec

Approvals



Safety Agency Approvals	Type	Amp range / Volt @ I.R. ability
UL Listed File No. E20624	GSA / GSAP	63mA - 8A / 125V AC@ 10,000A
CSA Certified File No. LR39772		63mA - 1A / 250V AC@ 35A
		>1A - 3.5A / 250V AC@ 100A
		>3.5A - 8A / 250V AC@ 200A
UL Recognized File No. E20624	GSA / GSAP	10A - 15A / 125V AC@ 10,000A
CSA Acceptance File No. LR39772		10A - 15A / 250V AC@ 750A
File No. JET1037-31003-1001, JET1037-31003-1003	GSA / GSAP	1A - 5A / 125V AC@ 500A
File No. JET1037-31003-1002	GSA	>5A - 15A / 125V AC@ 300A

Operating Temperature

-55°C to +125°C

Physical Specification

Materials

Ceramic body / Nickel Plated Brass Caps

Lead wire:

Tin-lead plated Copper; Diameter 0.040" all ratings

Marking

On fuse:

"bel", "GSA", "Current Rating", "Voltage Rating", and "Appropriate Safety Logos"

On label:

Above info plus "CE" and interrupting rating

Voltage on fuse:

250V for 63mA to 15A

Packaging

1. In bulk:

GSA - 1,000 pcs per box; **GSAP** - 500 pcs per box

2. On Axial Tape & Reel:

1,000 pcs per reel

3. Tape & Reel specification:

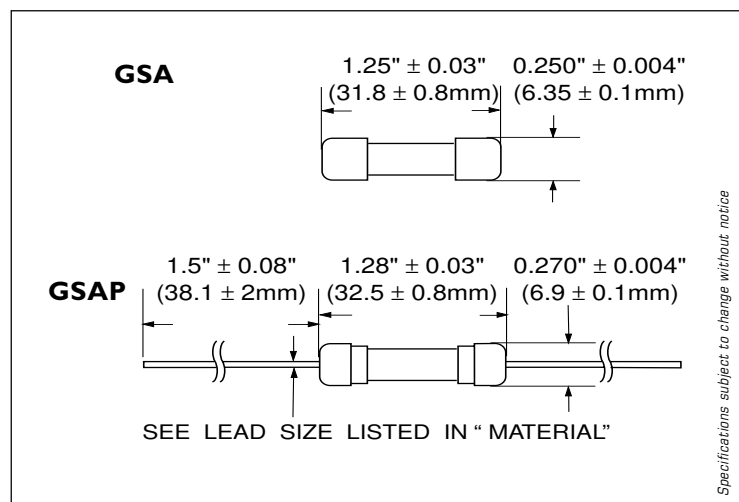
per EIA-296-E & IEC 286-1

@ 10mm Pitch and 73mm inside Tape Spacing

Catalog Number	Ampere Rating	Typical Cold Resistance (ohm)	Volt-drop @100% I_n (Volt) max.	Melting $I^2t < 10$ mSec (A ² Sec)	Melting $I^2t @10 I_n$ (A ² Sec)	Maximum Power Dissipation (W)
GSA (P) 63	63mA	80	7	0.09	0.10	0.71
GSA (P) 100	100mA	22	4	0.21	0.24	0.55
GSA (P) 125	125mA	16	2.8	0.32	0.37	0.58
GSA (P) 160	160mA	11	2.3	0.50	0.58	0.60
GSA (P) 200	200mA	8.3	1.9	0.77	0.91	0.63
GSA (P) 250	250mA	4.9	1.6	1.20	1.42	0.66
GSA (P) 300	300mA	3.3	1.4	1.85	2.22	0.70
GSA (P) 375	375mA	2.4	1.2	2.6	3.2	0.73
GSA (P) 500	500mA	1.5	0.95	4.4	5.4	0.78
GSA (P) 750	750mA	0.7	0.69	9.7	12.1	0.85
GSA (P) 1	1A	0.5	0.56	16.4	20.6	0.91
GSA (P) 1.25	1.25A	0.3	0.47	25.4	32.3	0.96
GSA (P) 1.6	1.6A	0.21	0.39	39.3	50.4	1.01
GSA (P) 2	2A	0.14	0.33	61	79	1.06
GSA (P) 2.5	2.5A	0.09	0.27	94	123	1.1
GSA (P) 3	3A	0.06	0.23	146	192	1.2
GSA (P) 4	4A	0.04	0.19	226	300	1.2
GSA (P) 5	5A	0.03	0.16	349	469	1.3
GSA (P) 6	6A	0.019	0.16	286	455	1.6
GSA (P) 7	7A	0.016	0.16	372	592	1.8
GSA (P) 8	8A	0.014	0.15	483	769	1.9
GSA (P) 10	10A	0.010	0.14	817	1300	2.3
GSA (P) 12	12A	0.008	0.13	1277	2031	2.6
GSA (P) 15	15 A	0.006	0.12	2123	3377	3.0

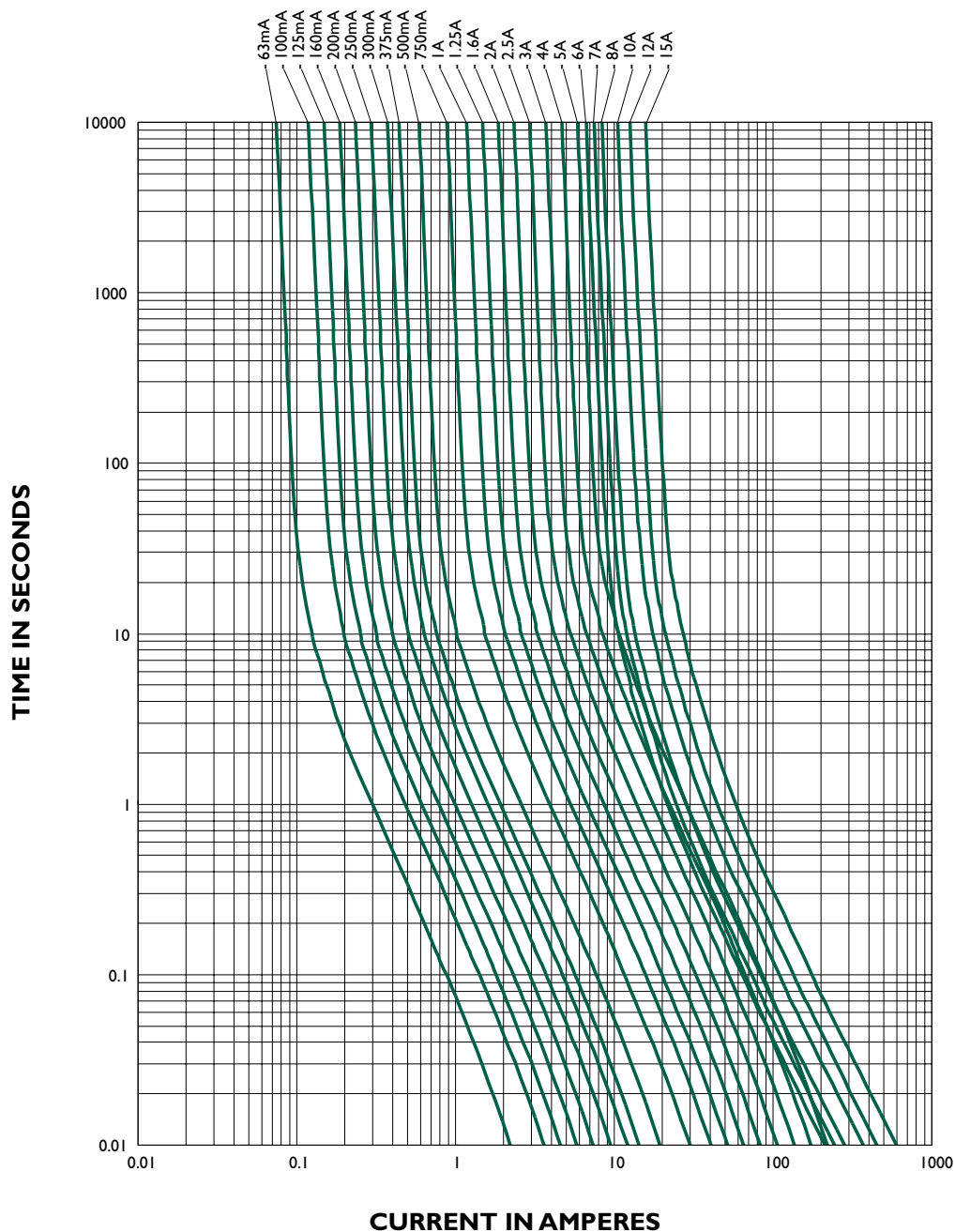
Consult manufacturer for other ratings

Mechanical Dimensions



ORDERING INFORMATION SEE PAGES 67 & 68

GSA / GSAP - TIME CURRENT CHARACTERISTIC CURVE



Specifications subject to change without notice

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

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