

bel

defining a degree of excellence

Type SSQ

Square Ceramic Surface Mount Quick Acting Fuse

SSQD1200



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

Testing current	Blow Time	
	Minimum	Maximum
100%	4 Hrs.	N/A
200%	N/A	5 Sec

Approvals



Safety Agency Approvals	Amp range / Volt @ I.R.ability
Certified File No. LR39772	100mA - 7A / 125V @ 50A ac
Listed File No. E20624	100mA - 7A / 125V @ 50A ac or 86V @ 10,000A dc or 125V @ 300A dc 7.1A - 12A / 125V @ 50A ac or 86V @ 10,000A dc
Recognized File No. E20624	15A / 86V @ 10,000A dc

Environmental Specification

Soldering Conditions

Infrared Reflow: 260°C, 20sec max.
Wave Solder: 260°C, 10 sec max. (MIL-STD202, Method 210)
Solderability: MIL-STD-202, Method 208

Operating Temperature

-55°C to +125°C

Shock

MIL-STD-202, Method 213, Test Condition I
(100 G's peak for 6 milliseconds)

Vibration

MIL-STD-202, Method 201 (10-55 Hz, 0.06 inch, total excursion)

Salt Spray

MIL-STD-202, Method 101, Test Condition B (48Hrs)

Insulation Resistance

MIL-STD-202, Method 302, Test Condition A
(After Opening) 10,000 ohms minimum

Resistance to Solder Heat

MIL-STD-202, Method 210, Test Condition F
(20 sec, at 260°C)

Thermal Shock:

MIL-STD-202, Method 107, Test Condition B
(-65°C to +125°C)

Catalog Number	Ampere Rating	Typical Cold Resistance (ohm)	Volt-drop @100% I_n (Volt) max.	Melting $I^2T < 10$ mSec (A ² Sec)	Melting $I^2T @ 10$ In (A ² Sec)	Maximum Power Dissipation (W)
SSQ 250	250mA	0.65	0.30	0.02	0.01	0.07
SSQ 375	375mA	0.36	0.25	0.04	0.03	0.09
SSQ 500	500mA	0.24	0.22	0.07	0.06	0.11
SSQ 750	750mA	0.15	0.17	0.11	0.07	0.13
SSQ 1	1A	0.11	0.17	0.19	0.14	0.17
SSQ 1.25	1.25A	0.09	0.16	0.33	0.24	0.20
SSQ 1.5	1.5A	0.07	0.15	0.57	0.41	0.23
SSQ 2	2A	0.05	0.15	1.0	0.8	0.30
SSQ 2.5	2.5A	0.038	0.14	1.7	1.4	0.36
SSQ 3	3A	0.028	0.13	3.0	2.4	0.43
SSQ 3.5	3.5A	0.025	0.13	3.9	3.3	0.47
SSQ 4	4A	0.022	0.13	5.1	4.4	0.51
SSQ 5	5A	0.016	0.12	8.8	7.8	0.62
SSQ 6.3	6.3A	0.012	0.12	15	14	0.74
SSQ 7	7A	0.011	0.114	20	19	0.81
SSQ 10	10A	0.007	0.107	46	44	1.07
SSQ 12	12A	0.006	0.103	70	69	1.24
SSQ 15	15A	0.004	0.098	121	124	1.54

Consult manufacturer for other ratings

Physical Specification

Materials

Ceramic body / Palladium Plated Brass Caps

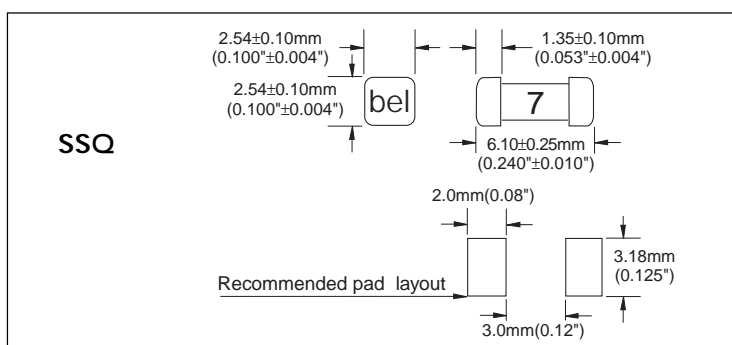
Marking

On fuse:
"Current Rating" in black color, "bel" stamped on end caps
On label:
"bel", "SSQ", "Current Rating", "Voltage Rating", Interrupting Rating,
"CE" plus "Appropriate Safety Logos"

Packaging

1,000 fuses in 7 inches dia. reel, or 5,000 fuses in 13 inches dia. reel,
12mm wide tape, per EIA Standard 481

Mechanical Dimensions



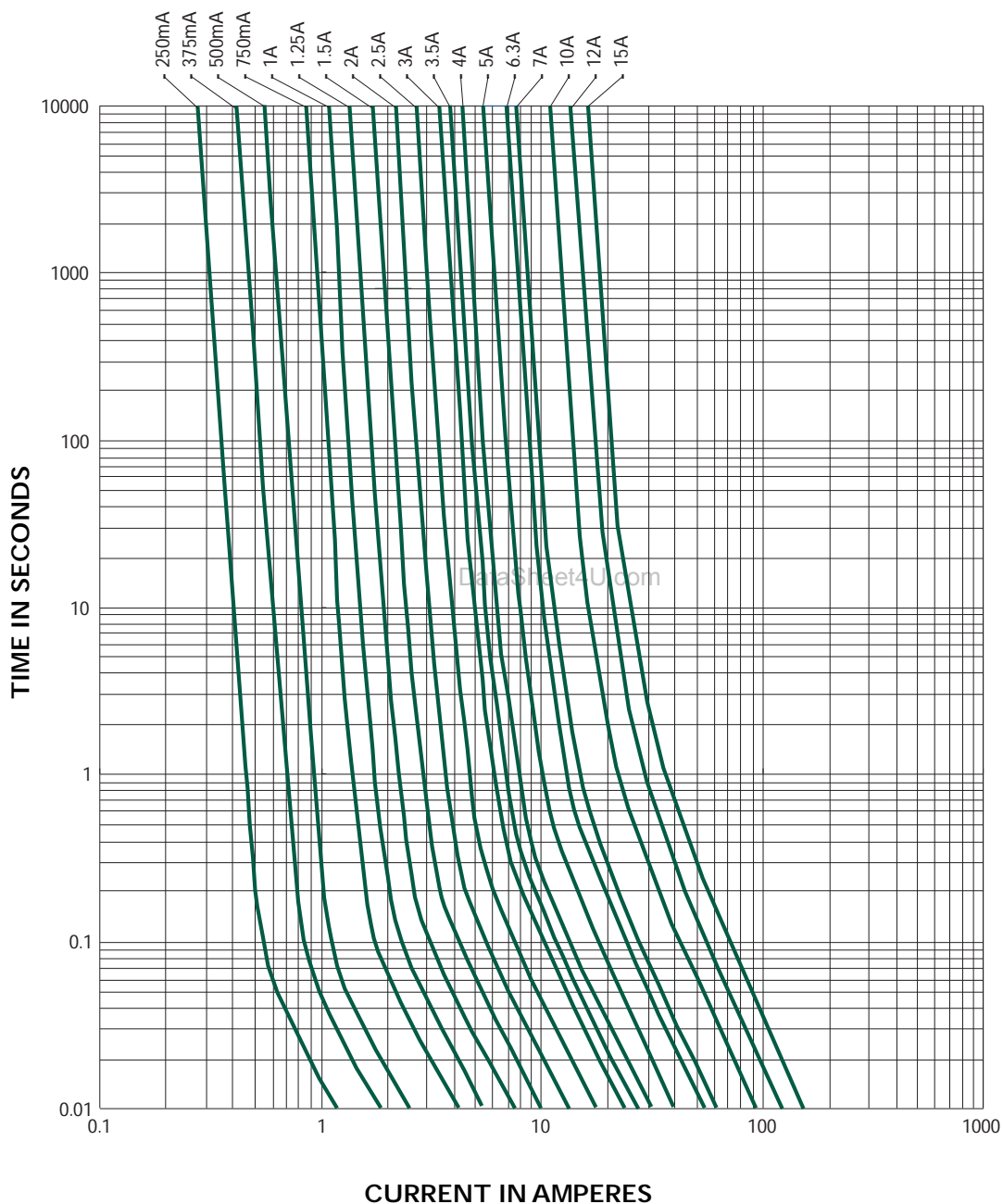
Specifications subject to change without notice

Type SSQ

Square Ceramic Surface Mount Quick Acting Fuse

SSQC0600

SSQ - 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.
198 Van Vorst Street, Jersey City, NJ 07302
Tel: 201-432-0463
Fax: 201-432-9542
E-Mail: belfuse@belfuse.com
Internet: <http://www.belfuse.com>

Far East Office

Bel Fuse Ltd.
8F/8 Luk Hop Street
San Po Kong
Kowloon, Hong Kong
Tel: 852-2328-5515
Fax: 852-2352-3706

European Office

Bel Fuse Europe Ltd.
Preston Technology Management Centre
Marsh Lane, Preston PR1 8U
Lancashire, U.K.
Tel: 44-1772-556601
Fax: 44-1772-888366