



defining a degree of excellence

Type SSQ

Square Ceramic Surface Mount Quick Acting Fuse

2410 Size
RoHS Compliant

SSQD0305



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 and 86V @ 10,000A DC and 125V @ 300A DC 7.1A - 12A / 125V @ 50A AC and 86V @ 10,000A DC
Recognized File No. E20624	15A / 86V @ 10,000A DC

RoHS Compliant Product

RoHS Reflow Reference : JEDEC J-STD-020C (260°C, 40 sec max)
 RoHS Wave Soldering Compatible : (260°C, 10 sec max)

Environmental Specification

- Shock Resistance**
MIL-STD-202G, Method 213B, Test Condition I
(100 G's peak for 6 milliseconds; Sawtooth Waveform)
- Vibration Resistance**
MIL-STD-202G, Method 201A (10-55 Hz, 0.06 inch, total excursion)
- Salt Spray Resistance**
MIL-STD-202G, Method 101E, Test condition B (48 hrs)
- Insulation Resistance**
MIL-STD-202G, Method 302, Test Condition A
(After Opening) 10,000 ohms minimum

- Solderability**
MIL-STD-202G, Method 208H
- Soldering Heat Resistance**
MIL-STD-202G Method 210F, Test Condition C. Top Side (260°C, 20 sec)
MIL-STD-202G Method 210F, Test Condition D. Bottom Side (260°C, 10sec)
- Thermal Shock Resistance**
MIL-STD-202G, Method 107G, Test Condition B (-65°C to +125°C)

Operating Temperature
-55°C to +125°C

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)
SSQ 200	200mA	0.87	0.32	0.009	0.008	0.063
SSQ 250	250mA	0.65	0.30	0.01	0.01	0.07
SSQ 315	315mA	0.49	0.28	0.02	0.02	0.09
SSQ 350	350mA	0.42	0.26	0.03	0.03	0.09
SSQ 375	375mA	0.38	0.25	0.04	0.03	0.09
SSQ 400	400mA	0.34	0.24	0.04	0.04	0.10
SSQ 500	500mA	0.25	0.23	0.07	0.06	0.11
SSQ 630	630mA	0.20	0.19	0.06	0.04	0.12
SSQ 750	750mA	0.15	0.18	0.11	0.07	0.13
SSQ 800	800mA	0.13	0.18	0.15	0.10	0.16
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 1.6	1.6A	0.06	0.15	0.75	0.57	0.27
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 8	8A	0.009	0.112	26	25	0.89
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

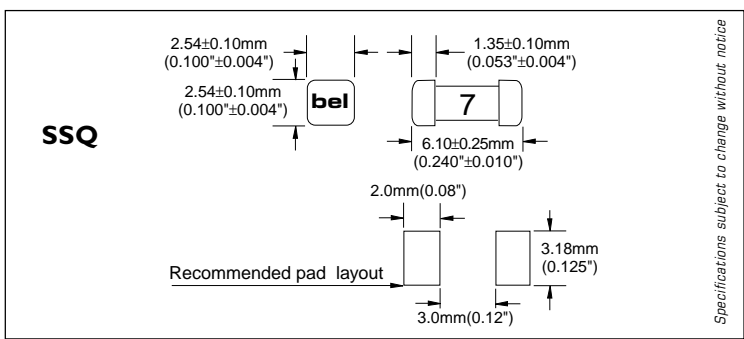
Physical Specification

- Materials**
Ceramic body / Palladium Plated Brass Caps
- Marking**
On fuse:
"Current Rating" in black color, "bel" stamped in end caps
On label:
"bel", "SSQ", "Current Rating", "Voltage Rating" Interrupting Rating
"CE" plus "Appropriate Safety Logos"

Packaging

5,000 fuses in 13 inches dia. reel, 12mm wide tape, 4mm pitch, per EIA Standard 481

Mechanical Dimensions



Specifications subject to change without notice

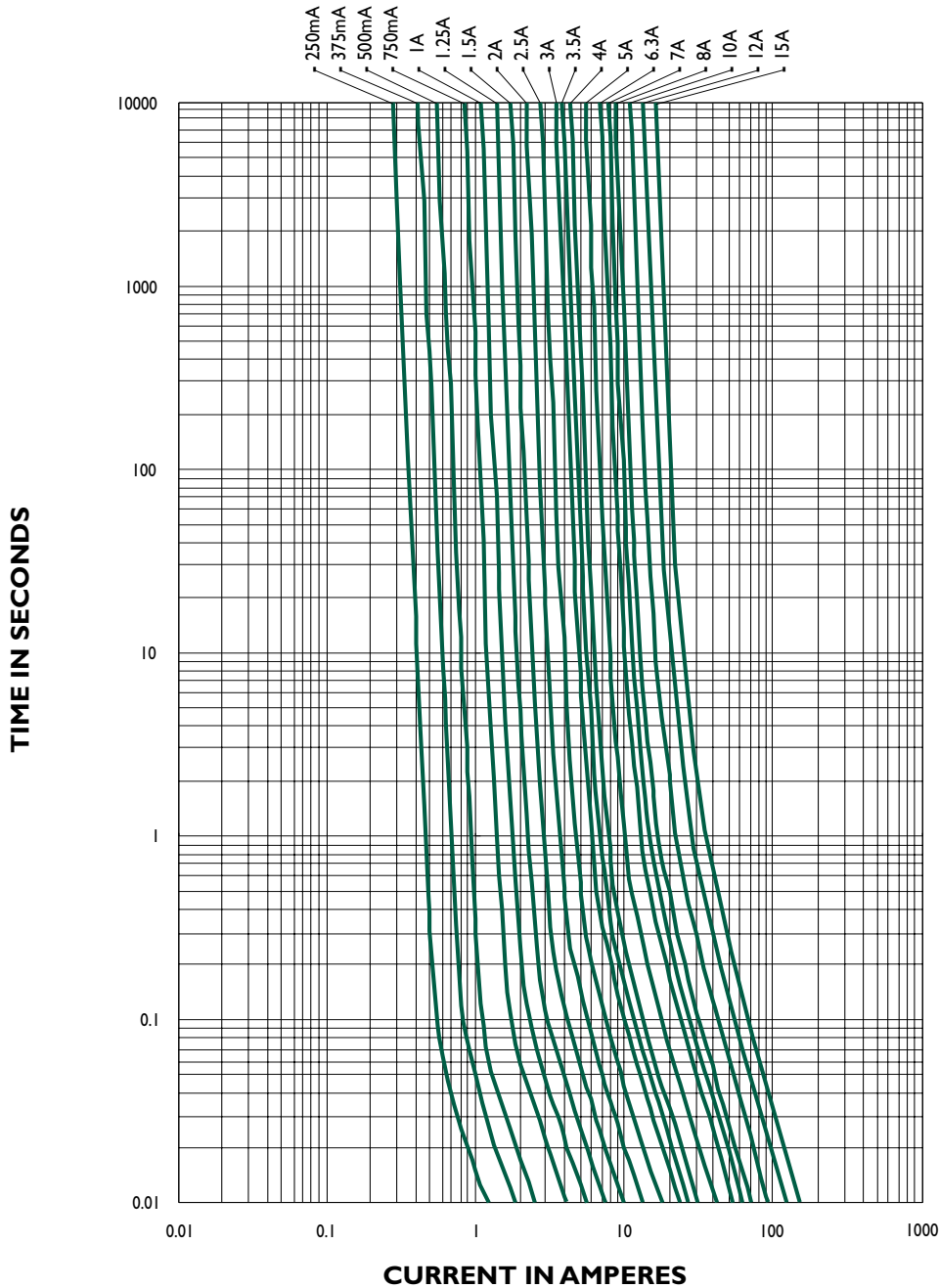
ORDERING INFORMATION SEE PAGES 67 & 68

Type SSQ
Square Ceramic Surface Mount Quick Acting Fuse

2410 Size
 RoHS Compliant

SSQC1004

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.
 206 Van Vorst Street, Jersey City, NJ 07302
 Tel: 201-432-0463
 Fax: 201-432-9542
 E-Mail: belfuse@belfuse.com
 Website: 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 8UD
 Lancashire, U.K
 Tel: 44-1772-556601
 Fax: 44-1772-888366