

**Type C2Q**  
**Surface Mount Very Fast-Acting Chip Fuse**

0603 size  
RoHS 6 Compliant

C2QD0808



**Electrical Characteristics** (UL STD. 248-14)

Testing current	Blow Time	
	Minimum	Maximum
100%	4 hrs	N/A
200%	N/A	5 sec
300%	N/A	0.2 sec

**Approvals**



Safety Agency Approvals	Amp range / Volt @ I.R. ability
UL Recognized File No. E20624	250mA - 4A / 32V AC @ 35A and 63V DC @ 50A
	5A / 32V AC & DC @ 50A

**RoHS 6 Compliant Product**

RoHS Reflow Reference : JEDEC J-STD-020C (260°C, 40 sec max)  
RoHSWave 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 <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)
C2Q 250	250mA	0.70	0.277	0.002	0.0001	0.08
C2Q 300	300mA	0.52	0.259	0.003	0.0001	0.10
C2Q 375	375mA	0.41	0.245	0.005	0.0002	0.11
C2Q 500	500mA	0.29	0.227	0.009	0.0004	0.13
C2Q 750	750mA	0.17	0.203	0.020	0.0011	0.18
C2Q 1	1A	0.120	0.189	0.036	0.002	0.23
C2Q 1.25	1.25A	0.090	0.180	0.058	0.004	0.27
C2Q 1.5	1.5A	0.073	0.174	0.084	0.006	0.31
C2Q 2	2A	0.053	0.166	0.15	0.011	0.40
C2Q 2.5	2.5A	0.041	0.162	0.24	0.019	0.49
C2Q 3	3A	0.034	0.160	0.36	0.030	0.58
C2Q 3.5	3.5A	0.028	0.160	0.50	0.044	0.68
C2Q 4	4A	0.025	0.160	0.63	0.059	0.76
C2Q 5	5A	0.021	0.164	1.05	0.103	0.98

Consult manufacturer for other ratings

**Physical Specification**

**Materials**

Ceramic Substrate / Printed Element

**Marking**

On fuse:

None

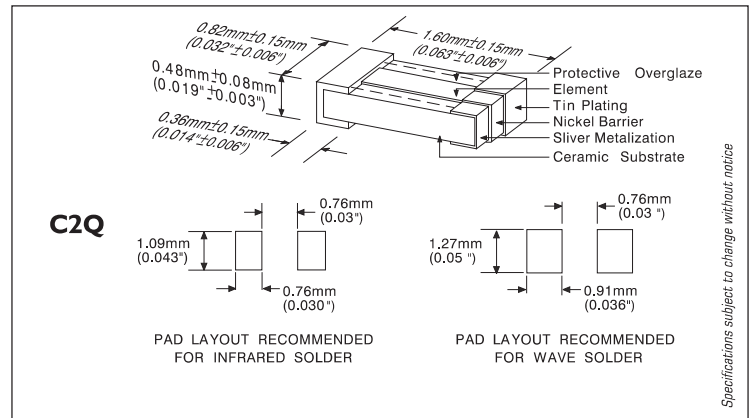
Label on reel :

“bel”, “C2Q”, “Current Rating”, “Voltage Rating”, “Interrupting Rating”, “Appropriate Safety Logos” and “”, “” (China RoHS compliant)

**Packaging**

5,000 fuses in 7 inches dia. reel, 8 mm wide tape, 4 mm pitch per EIA-481 (equivalent IEC-286 part 3)

**Mechanical Dimensions**



ORDERING INFORMATION SEE LAST 2 PAGES

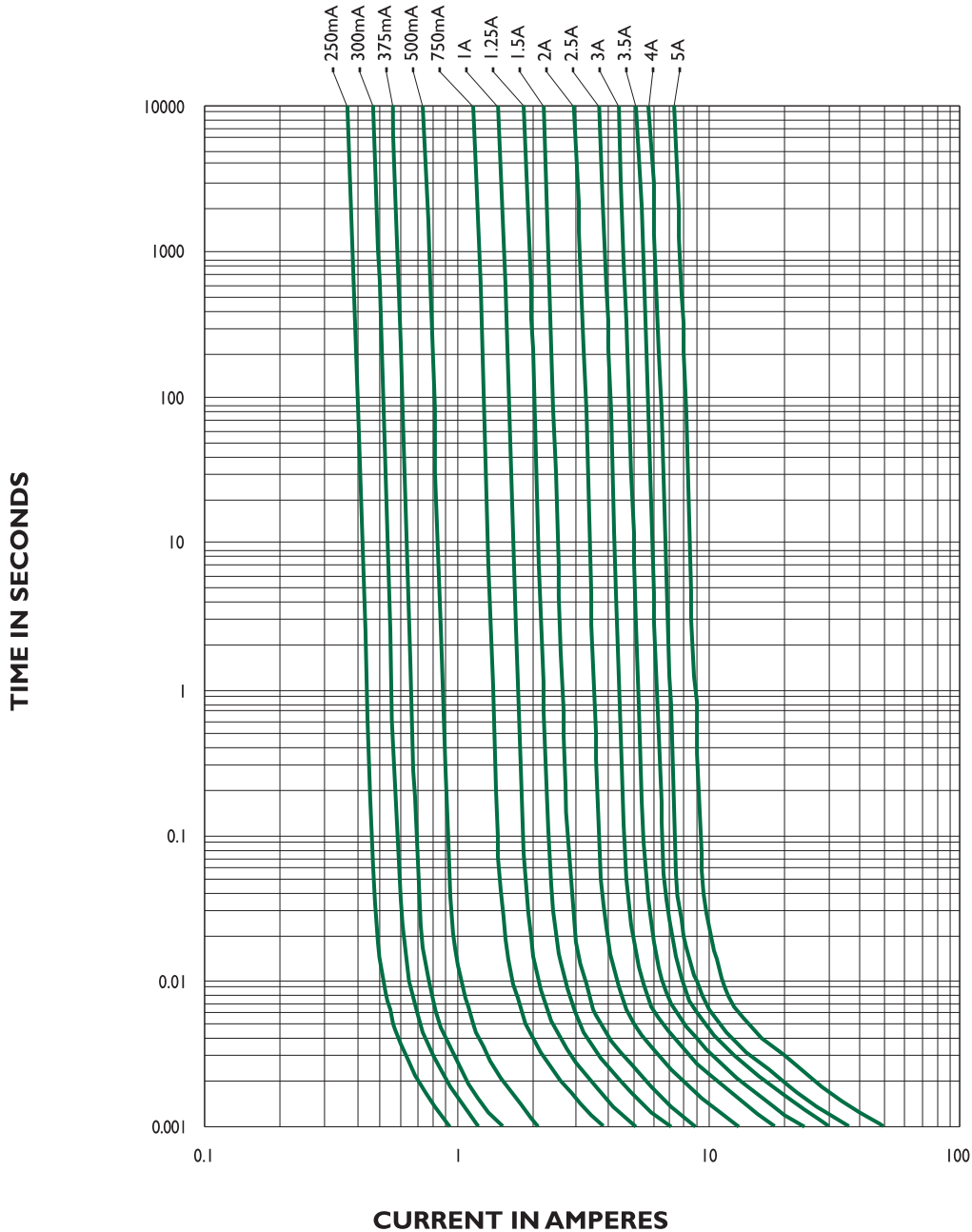
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**Surface Mount Very Fast-Acting Chip Fuse**

0603 size  
 RoHS 6 Compliant



C2QC0808

**C2Q - 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](mailto:belfuse@belfuse.com)  
 Website: [www.belfuse.com](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 8UG  
 Lancashire, U.K  
 Tel: 44-1772-556601  
 Fax: 44-1772-888366