



defining a degree of excellence

C2QD0104

Type C2Q

Surface Mount Very Fast-Acting Chip Fuse

0603 size



Electrical Characteristics (ULICSA 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
Recognized File No. E20624	250mA - 4A / 32V AC@ 35A and 63V DC@ 50A

Environmental Specification

Soldering Techniques & Compatibility

Reflow: Industrial standard, 260°C peak

Wave Solder: 260°C, 10 sec max. (MIL-STD-202, Method 210)

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 (48 hrs)

Insulation Resistance

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

Solderability

MIL-STD-202, Method 208

Resistance to Solder Heat

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

Thermal Shock

MIL-STD-202, Method 107, 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 In (A ² Sec)	Maximum Power Dissipation (W)
C2Q 250	250mA	0.70	0.277	0.0002	0.08
C2Q 300	300mA	0.52	0.259	0.0003	0.10
C2Q 375	375mA	0.41	0.246	0.0004	0.11
C2Q 500	500mA	0.29	0.227	0.0007	0.13
C2Q 750	750mA	0.17	0.203	0.0018	0.18
C2Q 1	1A	0.120	0.189	0.003	0.22
C2Q 1.25	1.25A	0.090	0.180	0.005	0.27
C2Q 1.5	1.5A	0.073	0.175	0.008	0.31
C2Q 2	2A	0.053	0.166	0.014	0.39
C2Q 2.5	2.5A	0.041	0.162	0.024	0.48
C2Q 3	3A	0.034	0.161	0.036	0.58
C2Q 3.5	3.5A	0.028	0.160	0.050	0.67
C2Q 4	4A	0.025	0.160	0.065	0.76
C2Q 5	5A	0.021	0.160	0.107	0.98

Consult manufacturer for other ratings

Physical Specification

Materials

Ceramic Substrate / Printed Element

Marking

On fuse:

None

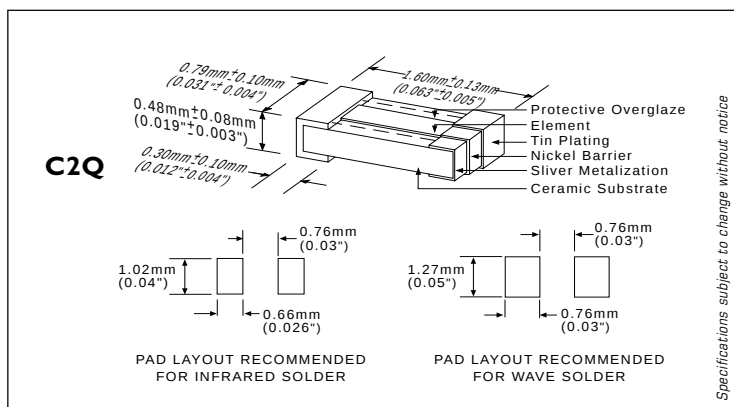
Label on reel:

"bel", "C2Q", "Current Rating", "32V; Interrupting Ratings" &
"UL CE"

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



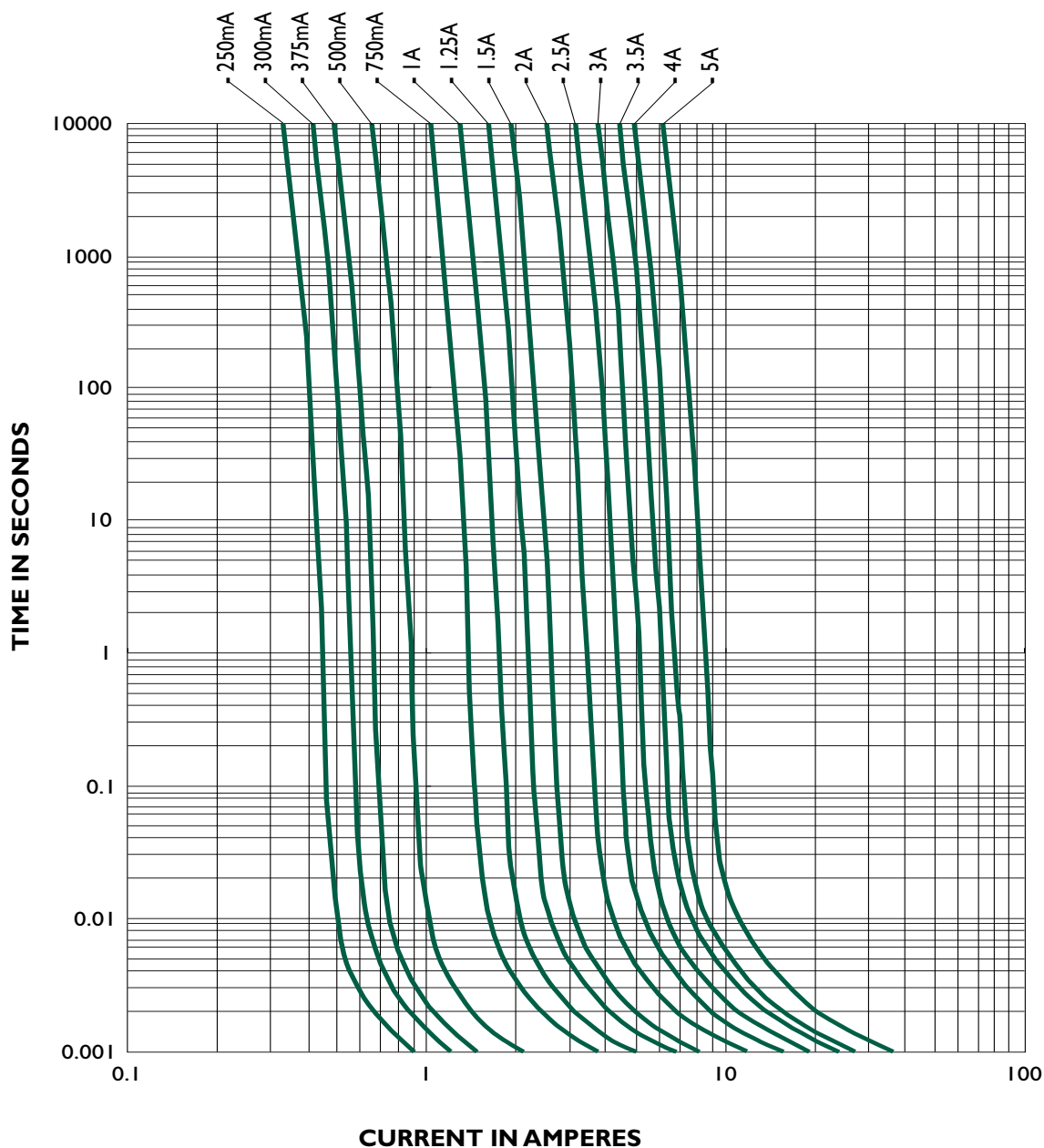
ORDERING INFORMATION SEE PAGES 67 & 68

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0603 size

C2QC0303

C2Q - TIME CURRENT CHARACTERISTIC CURVE



Specifications subject to change without notice

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

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