



defining a degree of excellence

Type C2Q

Surface Mount Very Fast-Acting Chip Fuse

0603 size

C2QD0600



Electrical Characteristics (UL/CSA 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 Acceptance File No. LR39772	250mA - 4A / 32V AC@ 35A and 63V DC@ 50A

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)
C2Q 250	250mA	0.57	0.212	0.002	0.0002	0.07
C2Q 300	300mA	0.43	0.199	0.003	0.0003	0.08
C2Q 375	375mA	0.34	0.189	0.005	0.0004	0.09
C2Q 500	500mA	0.24	0.175	0.009	0.0007	0.11
C2Q 750	750mA	0.14	0.157	0.020	0.0018	0.16
C2Q 1	1A	0.100	0.148	0.036	0.003	0.19
C2Q 1.25	1.25A	0.076	0.141	0.058	0.005	0.23
C2Q 1.5	1.5A	0.062	0.137	0.084	0.008	0.27
C2Q 2	2A	0.045	0.132	0.15	0.014	0.34
C2Q 2.5	2.5A	0.035	0.130	0.24	0.024	0.43
C2Q 3	3A	0.029	0.130	0.36	0.036	0.51
C2Q 3.5	3.5A	0.025	0.130	0.50	0.050	0.60
C2Q 4	4A	0.022	0.131	0.63	0.065	0.69

Consult manufacturer for other ratings

Environmental Specification

Soldering Conditions

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

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

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

Physical Specification

Materials

Ceramic Substrate / Printed Element

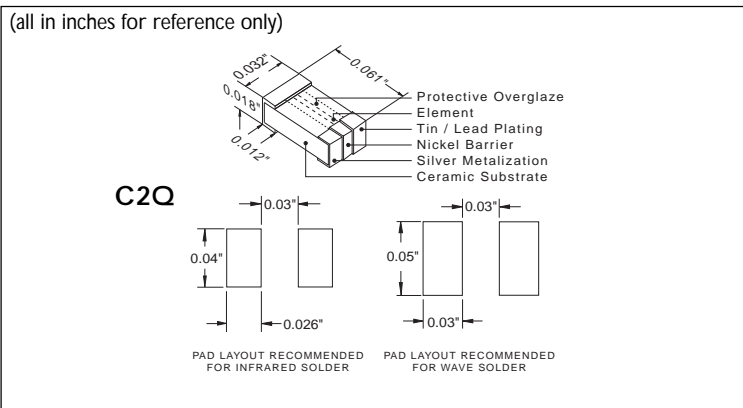
Marking

On fuse:
 None
 Label on reel:
 " bel ", " C2Q ", " Current Rating ", " 32V; Interrupting Ratings " &
 " "

Packaging

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

Mechanical Dimensions



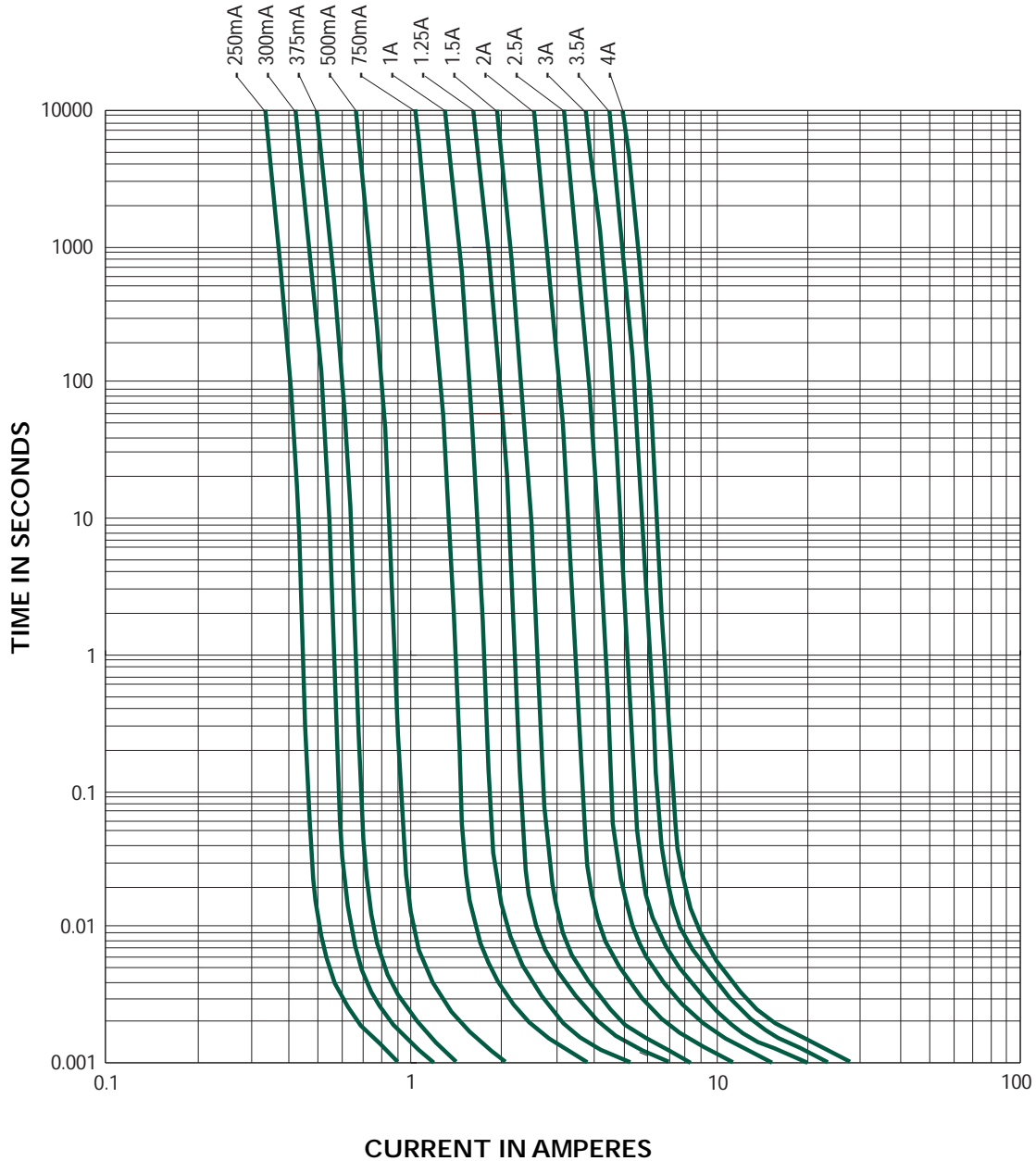
Specifications subject to change without notice

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0603 size

C2QC0600

C2Q - TIME CURRENT CHARACTERISTIC CURVE



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

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