

WIN*SOURCE* **ELECTRONICS**

THE DATASHEET OF 0686-1000-01



Type C2Q

Surface Mount Very Fast-Acting Chip Fuse

HF **Pb** C2Q Series - 0603 Size

RoHS 6 Compliant

Features

- Fast Acting
- Small size, 0603 SMD
- Current rating from 250mA to 5A
- Wide operating temperature range from -55 °C to 125 °C
- Tape and Reel for automatic SMD placement
- Compatible with reflow and wave soldering
- RoHS 6 compliant (MSL = 1)
- Halogen Free
- Leadfree

Applications

- Notebook
- LCD monitor
- PC computer
- Office electronic equipment
- Industrial equipment
- Medical equipment
- POE, POE+
- LCD / LED monitor
- Power supply
- LCD / LED TV
- DC-DC Converter



LEAD FREE = **Pb**
 HALOGEN FREE = **HF**

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

Safety Agency Approvals

SAFETY AGENCY	SAFETY AGENCY CERTIFICATE	VOLTAGE RATING (V)	AMPERE RANGE / VOLT @ I.R. ABILITY*
UL US	E20624	250mA - 4A / 32V AC 63V DC	250mA - 4A / 32V AC @ 35A 63V DC @ 50A
		5A / 32V AC & DC	5A / 32V AC & DC @ 50A

* I.R. = INTERRUPTING RATING = SHORT CIRCUIT RATING (AMPS)

Physical Specifications

Materials	Body : Ceramic Substrate
	Terminations : Ag / Ni / Sn (100% Lead-free)
	Element Cover Coating : Lead-free Glass
Marking	On Fuse :
	None
	On Label :
	"bel", "C2Q", "Current Rating", "Voltage Rating", "Interrupting Rating", " Appropriate Safety Logos" and "  ", "  " (China RoHS compliant).

Specifications subject to change without notice



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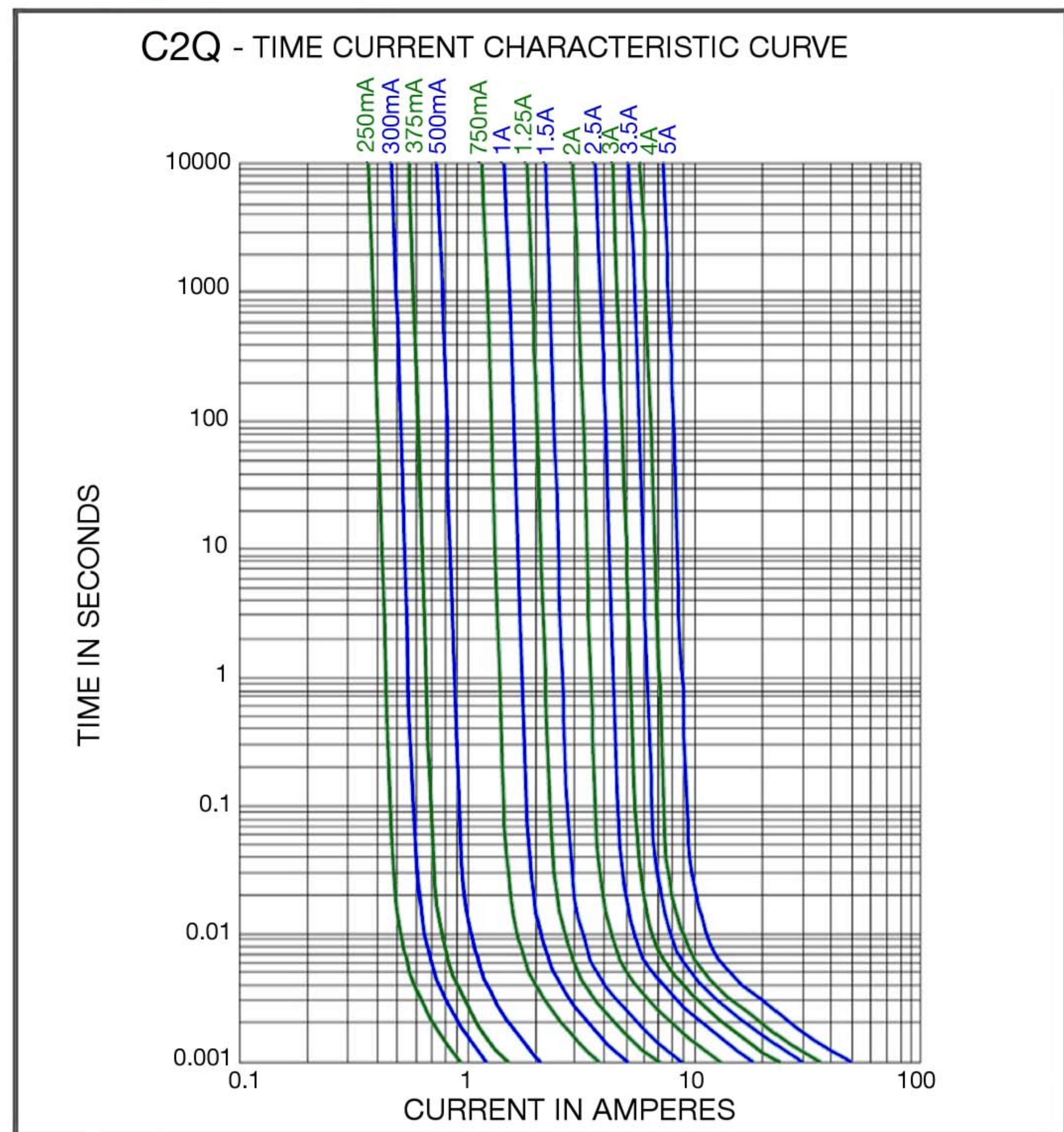
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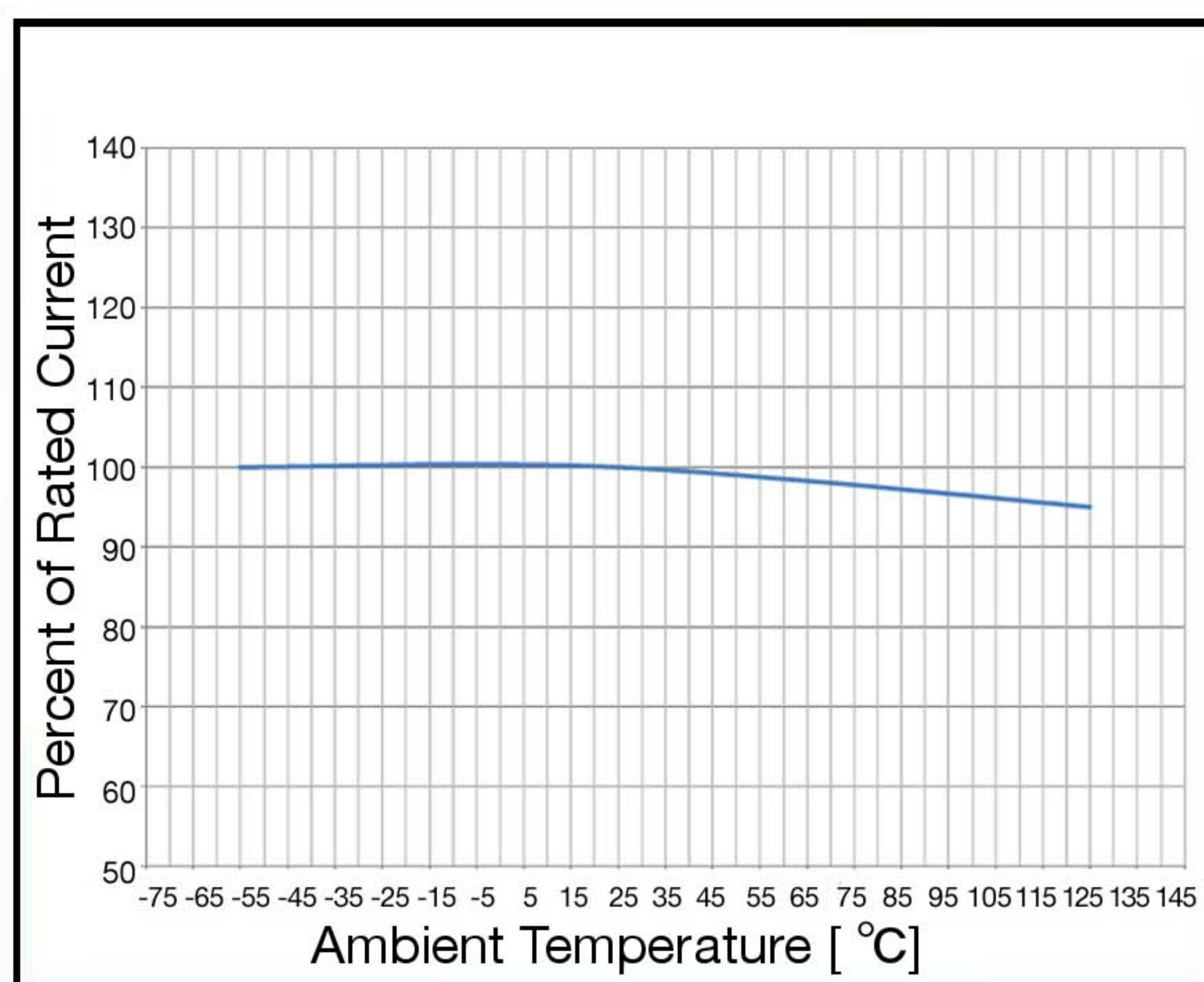
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Average Time Current Curve



Temperature Derating Curve



Electrical Specifications

Catalog Number	Ampere Rating (A)	Nominal Cold Resistance (ohm)	Nominal Volt-drop @100% In (Volt) max.	Voltage and Interrupting Ratings	Nominal Melting I ² T <10 m Sec (A ² Sec)	Nominal Melting I ² T @10 In (A ² Sec)	Nominal Power Dissipation @100% In (W)	Agency Approvals
								
C2Q 250	250mA	0.77	0.243		0.002	0.0001	0.06	Y
C2Q 300	300mA	0.54	0.217		0.003	0.0001	0.07	Y
C2Q 375	375mA	0.42	0.196		0.005	0.0002	0.07	Y
C2Q 500	500mA	0.28	0.171		0.009	0.0003	0.07	Y

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- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management