



Ceramic Chip Fuse CC201

- 1206 Package
- Fast Acting



RoHS

HF

Features

- Pb and Halogen Free
- RoHS Compliance
- AEC-Q200 Automotive Grade Certificated
- Rapid Interruption of Excessive Current
- Compatible with Reflow and Wave Soldering
- Ceramic and Glass Construction
- One-Time Positive Disconnect

Applications

- Automotive Electronics
- Battery Management System
- Drone
- Charger
- Cell Phone, Tablet, Laptop
- Portable Electronic Devices
- Security
- USB
- LCD Panel
- Inverter
- Battery
- IOT Module

Fuse Opening Time

Electrical Characteristics			
Rated Current	1.0In	2.5In	3.5In
250mA~5A	>4Hours	<5s	-
6A~40A		-	<5s

Agency/Certificate Information

Certificate	File Number	Ampere Range
	E500586	0.25A-30A

Product Identification

CC201 A001

(1) (2)

(1) Product Code (2) Current Rating Code

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Fuse Ratings and Properties

Part Number	Marking	Current Rating (A)	Voltage Rating DC	Interrupt Rating	Nominal Cold Resistance (mΩ)	Nominal I ² t (A ² s)
CC201A.250	.25	0.25	72V	50A@72V 50A@63V 50A@32V 300A@24V	3608	0.0004
CC201A.375	E	0.375			1882	0.0008
CC201A.500	0.5	0.5			1028	0.0022
CC201A.750	.75	0.75			601	0.0057
CC201A001	H	1			490	0.10
CC201A01.5	K	1.5			240	0.15
CC201A002	N	2			132	0.41
CC201A02.5	O	2.5			77	0.65
CC201A003	P	3			48	1.39
CC201A03.5	R	3.5			40	1.68
CC201A004	S	4			35	1.73
CC201A04.5	X	4.5	32V	50A@32V 300A@24V	30	2.62
CC201A005	T	5			25	2.89
CC201A006	F	6			16.5	11
CC201A007	7	7			12	12.5
CC201A008	M	8	32V	300A@24V 150A@32V	8.5	14
CC201A010	U	10			6.8	20
CC201A012	12	12			5	11.5
CC201A015	15	15			3.9	16.5
CC201A020	20	20			1.8	47.17
CC201A025	25	25			1.5	32
CC201A030	30	30			1.25	43
CC201A040	XL	40	32V	200A@32Vdc 200A@24Vdc	0.85	160

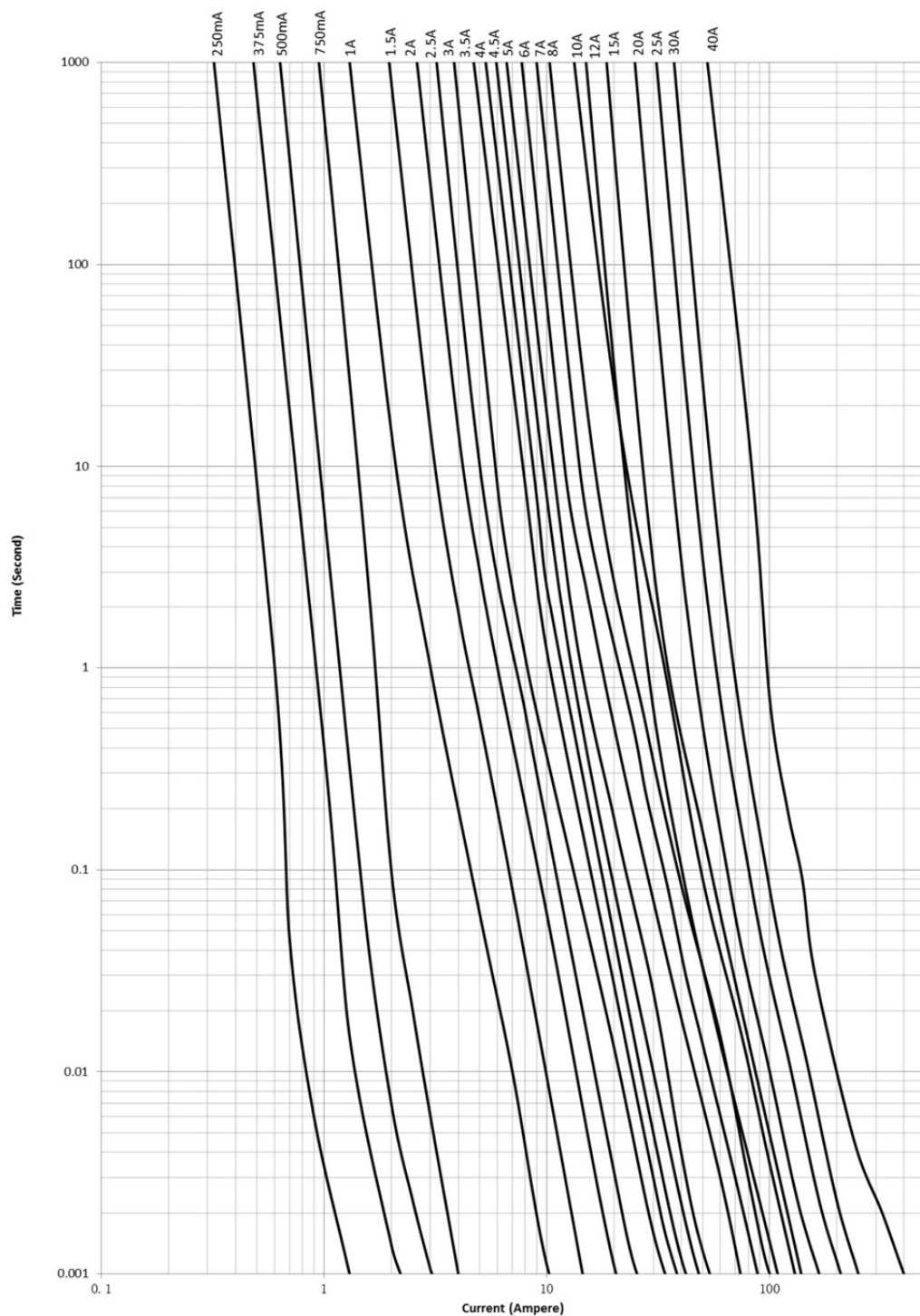
Together We Make It Safe!



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Time Current Curve

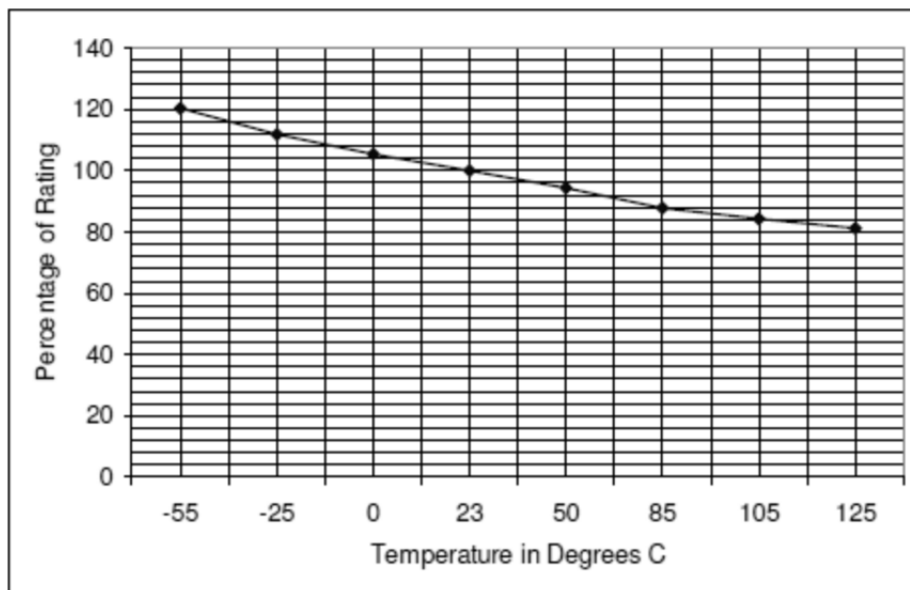


DCN: DA0047-00
Rev: C

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Temperature Re-Rating



Product Characteristics

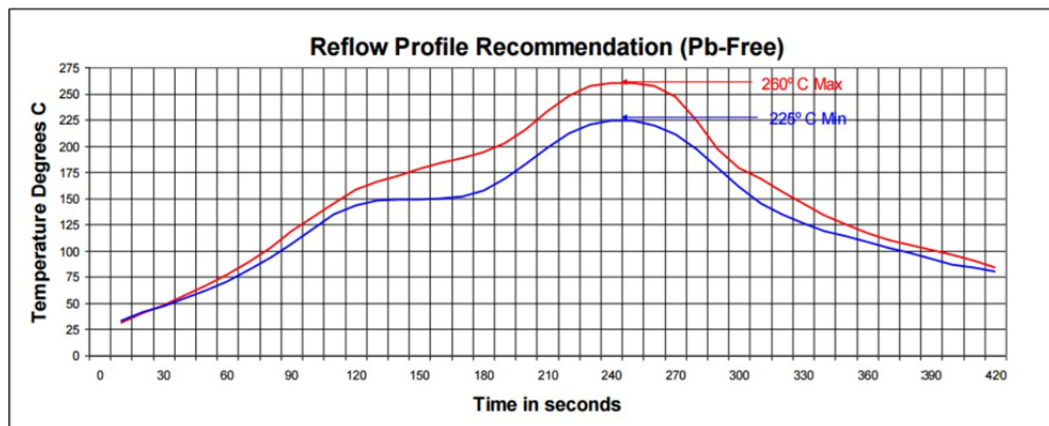
1	Product Marking	Current Rating
2	Operating Temperature	-50°C to 125°C
3	Humidity	MIL-STD-202, Method 103, Test Condition A: 95%RH and 40°C for 240 hours
4	Thermal Shock	MIL-STD-202, Method 107, Test Condition B (30 cycles -65°C to 125°C)

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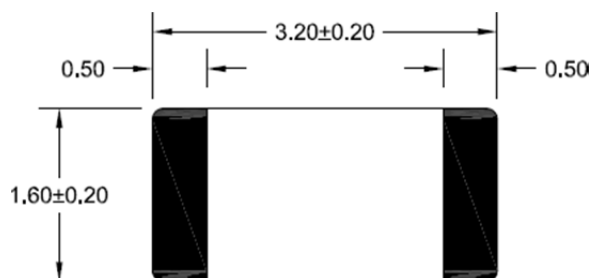
Recommended Soldering Conditions for Fuse

- Infrared Reflow
 - Temperature: 260°C
 - Time: 30 Seconds Maximum



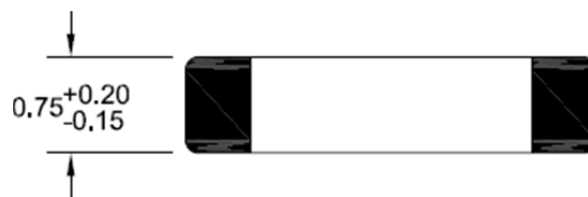
Fuse Dimensions (Unit: mm)

Top view



Side view:

250mA~750mA/20A~30A

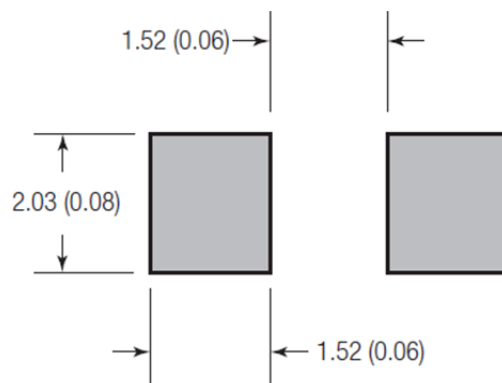


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Pad Layout Recommended



Unit: mm(inch)

Package

3000 pcs/reel ,8mm Tape& Reel, EIA Standard 481.