

Type 0603C

Fast Blow Fuse Series

HF  0603C Series, 6.3x32mm Ceramic Tube Fast Blow Fuse

RoHS Compliant

Description

6.3x32mm Fast Blow, Ceramic tube body cartridge fuse designed, approved and complied with UL and CSA standard 248-14.

Features

- Meet UL and CSA standard 248-14
- Wide operating temperature range
- Bulk packing available
- Full compliance with EU Directive 2011/65/EU and amending directive 2015/863
- Halogen Free
- Lead Free

Applications

Provide individual protection for components or internal circuits.

- Power supplies
- Battery charger
- Monitor
- Adapter

LEAD FREE =



HALOGEN FREE =



Physical Specifications

Materials	Body : Ceramic
	Cap : Nickel Plated Brass Caps
	Leads : Tinned Copper Wire
Marking	On Fuse :
	"Current Rating", "Voltage Rating",
	"bel", "Appropriate Safety Logos"
	On Label :
	"bel", "0603C", "Current Rating", "Voltage Rating", "Interrupting Rating", "Appropriate Safety Logos" and "  ", "  "(China RoHS compliant).

Electrical Characteristics (UL/CSA STD.248-14) Safety Agency Approvals

Testing Current	Blow Time	
	Minimum	Maximum
100%	4 hrs.	N/A
135%	N/A	1 hr.
200%	N/A	5 sec

Safety Agency	Safety Agency Certificate	Ampere Rating/ Voltage Rating	Ampere Range / Volt @ I.R. ability*
	E506667	1A-20A /250V AC /125V AC /150V DC	1A-20A/250V AC@1500A /125V AC@1500A /150V DC@1000A
*I.R.= Interrupting Rating = Short Circuit Rating(Amps)			

Environmental Specifications

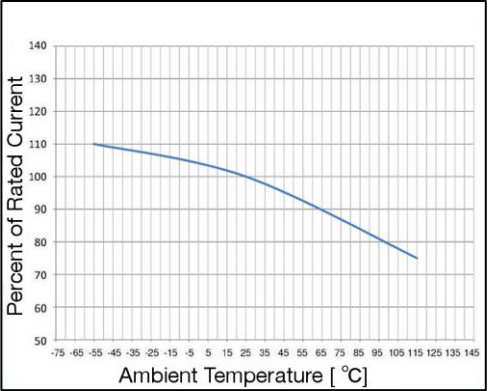
Shock Resistance	MIL-STD-202G, Method 213B, Test Condition 1 (100 G's peak for 6 milliseconds; Sawtooth waveform)
Vibration Resistance	MIL-STD-202G, Method 201A (10-55 Hz, 0.06 inch, total excursion).
Salt Spray Resistance	MIL-STD-202G, Method 101E, Test Condition B (48 hrs).
Insulation Resistance	MIL-STD-202G, Method 302, Test Condition A (After Opening) 10,000 ohms minimum.
Solderability	MIL-STD-202G, Method 208H
Resistance to solder Heat	MIL-STD-202G, Method 210F, Test Condition B (260+/-5°C, 10+/-1 sec)
Thermal Shock	MIL-STD-202G, Method 107G, Test Condition B (-65°C to +125°C).
Operating Temperature	-55°C to +125°C
Terminal Strength	IEC-68-2-21

Electrical Specifications

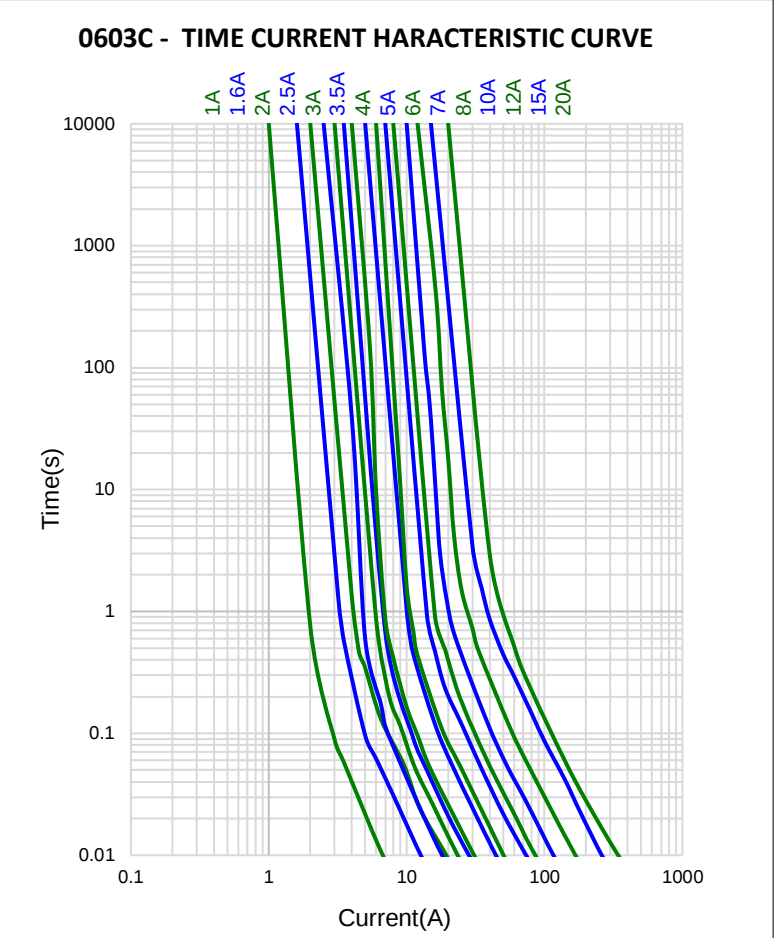
Part Number	Ampere Rating	Typical Cold Resistance (ohms)	Volt-drop @100%In (Volt) max.	Voltage and Interrupting Ratings	I²T (A² Sec)	Maximum Power Dissipation (W)	Agency Approvals
							
0603C1000-XX	1A	0.406	0.650	See Table of Safety Approvals on Page 1 for Voltage and associated Interrupting Ratings	0.456	0.65	Y
0603C1250-XX	1.25A	0.312	0.650		0.960	0.83	Y
0603C1600-XX	1.6A	0.241	0.550		1.59	0.88	Y
0603C2000-XX	2A	0.155	0.450		3.75	0.90	Y
0603C2500-XX	2.5A	0.090	0.400		3.30	1.00	Y
0603C3000-XX	3A	0.075	0.400		5.50	1.20	Y
0603C3500-XX	3.5A	0.062	0.400		8.02	1.40	Y
0603C4000-XX	4A	0.056	0.400		9.54	1.60	Y
0603C5000-XX	5A	0.040	0.400		19.87	2.00	Y
0603C6000-XX	6A	0.035	0.400		25.50	2.40	Y
0603C7000-XX	7A	0.025	0.350		53.90	2.45	Y
0603C8000-XX	8A	0.022	0.350		73.60	2.80	Y
0603C9100-XX	10A	0.015	0.350		133.92	3.50	Y
0603C9120-XX	12A	0.010	0.250		281.60	3.00	Y
0603C9150-XX	15A	0.0065	0.250		676	3.75	Y
0603C9200-XX	20A	0.0060	0.250		1176	5.00	Y

Consult manufacturer for other ratings

Temperature Derating Curve

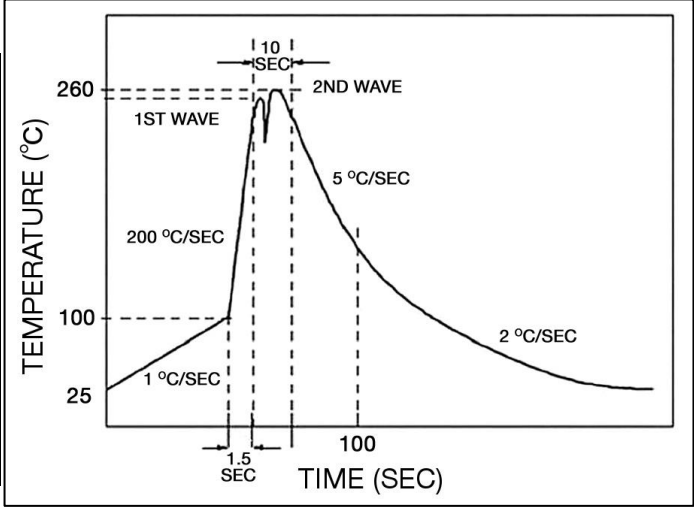


Average Time Current Curve



Soldering Parameters

Lead-free Wave Soldering Profile	
Wave Soldering Parameter	
Average ramp-up rate	200°C / second
Heating rate during preheat	typical 1 - 2°C / second Max 4°C / second
Final preheat temperature	within 125°C of soldering temperature
Peak temperature Tp	260°C
Time within +0°C / -5°C of actual peak temperature	10 seconds
Ramp-down rate	5°C / second max.



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Cartridge Fuses](#) category:

Click to view products by [Bel Fuse](#) manufacturer:

Other Similar products are found below :

[MDX-2](#) [FLSR-15](#) [FLSR-30](#) [H362003](#) [BK1GMD-4-R](#) [BK1-S505-5-R](#) [20.0M6.3X32F](#) [FSC-3.5A](#) [361.250](#) [TF16SN0.63TTD](#) [MDX-4](#) [MDX-5](#) [MKB-1/8](#) [514030](#) [BK/ABS-20](#) [BK/MKB-1/8](#) [BP/GMA-3A](#) [31301.8](#) [323010](#) [323015](#) [334.750](#) [361.010](#) [361.062](#) [514001](#) [BKABS-30](#) [BK1-S505-3-15-R](#) [BP/GMA-1A](#) [BK/C520-1.5-R](#) [002621009](#) [BK-AGC-B-2-R](#) [002631001](#) [002631006](#) [004112134](#) [004112135](#) [004116101](#) [004119101](#) [004119102](#) [004119103](#) [004139100](#) [004139101](#) [004139200](#) [004139201](#) [004139203](#) [004139204](#) [004139206](#) [004139207](#) [004139208](#) [004139209](#) [004744223](#) [BK/MDL-1-1/8-R](#)