



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Type 2JQ / 3JQ

Quick Acting Fuse Series

HF **Pb** 2JQ/3JQ Series, 5x15mm Glass Tube Quick Acting Fuse RoHS 6 Compliant

Description

5x15mm Quick Acting , glass tube body cartridge fuse designed, approved and complied with UL and CSA standard 248-14.

Features

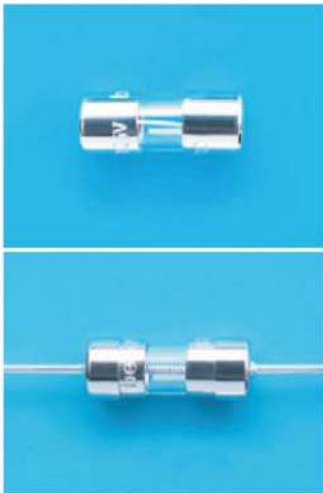
- Meet UL and CSA standard 248-14
- Wide operating temperature range
- Bulk and Tape & Reel packing available
- RoHS 6 compliant
- Halogen Free
- Leadfree

Applications

Provide individual protection for components or internal circuits.

- Power supplies
- Battery charger
- Monitor
- Adapter

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



Physical Specifications

Materials	Body : Glass
	Cap : Nickel Plated Brass Caps
	Leads : Matte Tin Plated Copper
Marking	On Fuse :
	"bel", "JQ", "Current Rating", "Voltage Rating",
	"Appropriate Safety Logos", "✓" (RoHS 6 compliant)
	On Label :
	"bel", "2JQ" or "3JQ", "Current Rating", "Voltage Rating", "Interrupting Rating", "Appropriate Safety Logos" and "M", "E" (China RoHS compliant).

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

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

Safety Agency Approvals

SAFETY AGENCY	SAFETY AGENCY CERTIFICATE NUMBER	VOLTAGE RATING (V)	AMPERE RANGE / VOLT @ I.R. ABILITY*
UL US	E20624	100mA - 7A /350V AC	100mA - 7A / 350V AC@ 100A 140V DC@ 150A
SP	LR39772		100mA - 7A / 350V AC@ 100A
PS E	JET1037-31003-1010 JET1037-31003-1011		1A - 5A / 125V AC @ 500A
	JET1037-31003-1007		>5A - 15A / 125V AC@ 300A

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

Specifications subject to change without notice



Bel Fuse Inc.
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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

Catalog Number	Ampere Rating	Typical Cold Resistance (ohm)	Volt-drop @100% In (Volt) max.	Voltage and Interrupting Ratings	Melting I ² T <10 mSec (A ² Sec)	Melting I ² T @10 In (A ² Sec)	Maximum Power Dissipation (W)	Agency Approvals		
								cULus	SP	PF
JQ 100-R	100mA	4.80	2.10	See Table of Safety Approvals on Page 1 for Voltage and associated Interrupting Ratings	0.0010	0.0010	0.029	Y	Y	
JQ 125-R	125mA	4.29	2.05		0.0019	0.0020	0.035	Y	Y	
JQ 150-R	150mA	3.35	1.90		0.004	0.004	0.041	Y	Y	
JQ 200-R	200mA	2.01	1.70		0.007	0.008	0.048	Y	Y	
JQ 250-R	250mA	1.54	1.62		0.014	0.015	0.057	Y	Y	
JQ 300-R	300mA	1.18	1.55		0.026	0.029	0.067	Y	Y	
JQ 350-R	350mA	0.98	1.50		0.036	0.040	0.072	Y	Y	
JQ 400-R	400mA	0.46	0.60		0.05	0.06	0.079	Y	Y	
JQ 500-R	500mA	0.33	0.55		0.10	0.11	0.092	Y	Y	
JQ 600-R	600mA	0.26	0.48		0.14	0.16	0.10	Y	Y	
JQ 750-R	750mA	0.188	0.45		0.26	0.30	0.12	Y	Y	
JQ 800-R	800mA	0.170	0.40		0.27	0.40	0.17	Y	Y	
JQ 1-R	1A	0.112	0.40		0.62	0.65	0.21	Y	Y	Y
JQ 1.25-R	1.25A	0.068	0.17		0.80	0.82	0.26	Y	Y	Y
JQ 1.5-R	1.5A	0.056	0.16		1.4	1.4	0.32	Y	Y	Y
JQ 1.6-R	1.6A	0.054	0.16		1.8	1.9	0.35	Y	Y	Y
JQ 2-R	2A	0.041	0.16		2.3	2.5	0.39	Y	Y	Y
JQ 2.5-R	2.5A	0.033	0.15		4.0	4.3	0.48	Y	Y	Y
JQ 3-R	3A	0.027	0.15		4.6	5.6	0.59	Y	Y	Y
JQ 3.5-R	3.5A	0.022	0.14		9	10	0.66	Y	Y	Y
JQ 4-R	4A	0.019	0.14		12	13	0.73	Y	Y	Y
JQ 5-R	5A	0.015	0.13		20	23	0.9	Y	Y	Y
JQ 6-R	6A	0.012	0.13		35	40	1.1	Y	Y	Y
JQ 7-R	7A	0.010	0.12		46	53	1.2	Y	Y	Y

Consult manufacturer for other ratings

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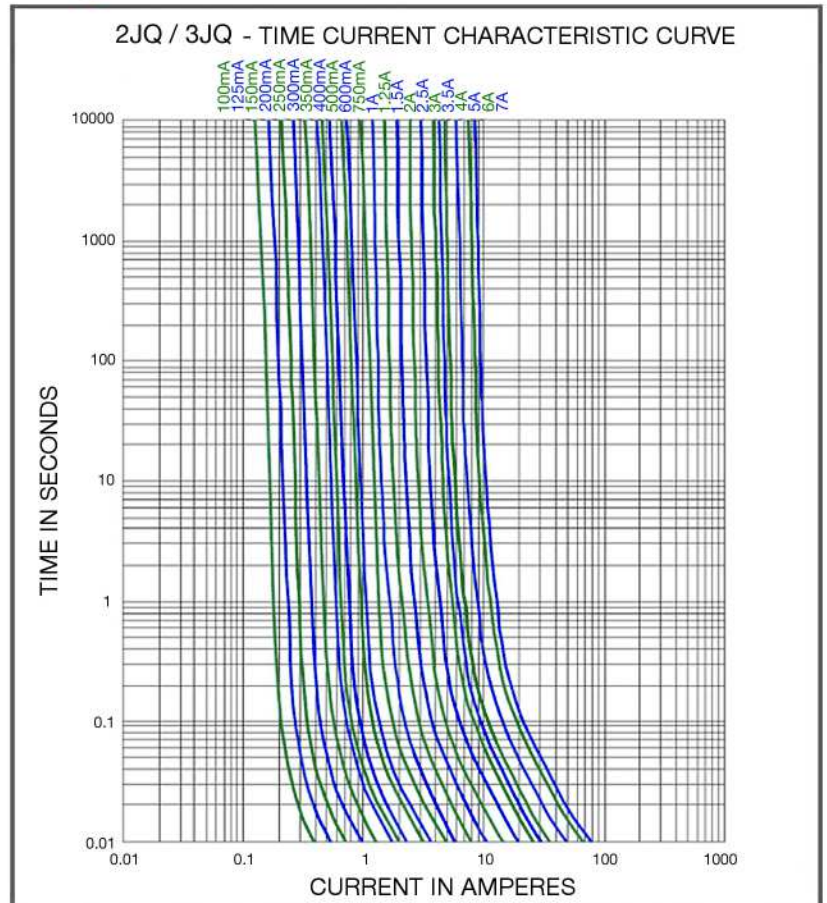
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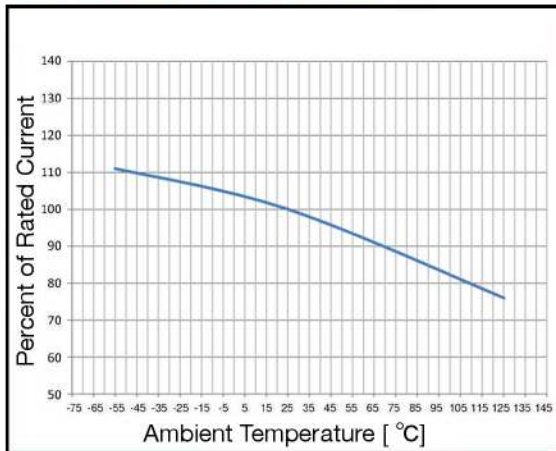
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Average Time Current Curve

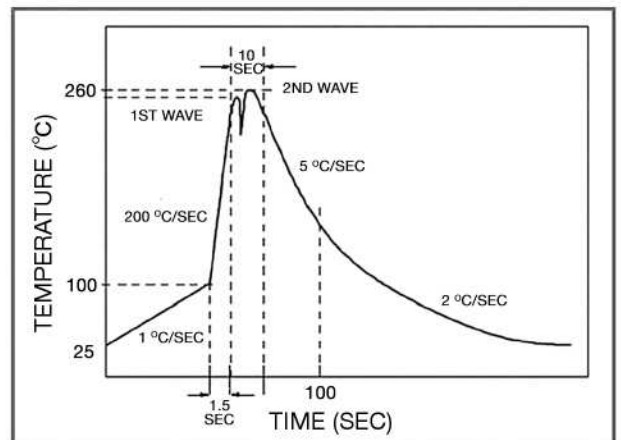


Temperature Derating Curve



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 T _p	260 °C
Time within +0 °C / -5 °C of actual peak temperature	10 seconds
Ramp-down rate	5 °C / second max.



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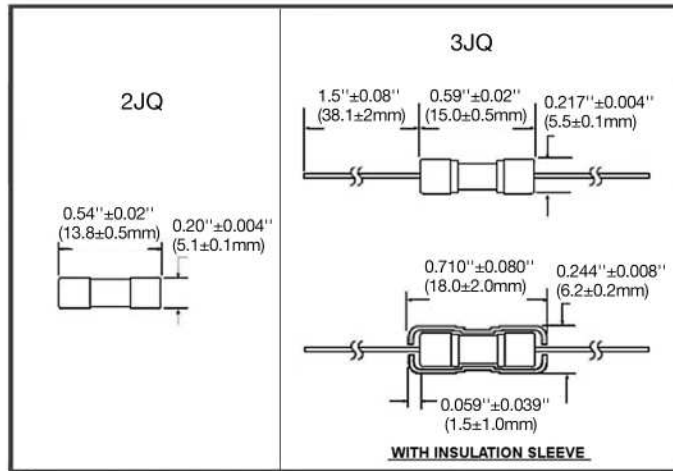
Fuse FGNO Explanation

0657 R [XXXX] - XX

0657R=2JQ/3JQ; [XXXX]=Ampere Rating; XX=See Ordering Information as below

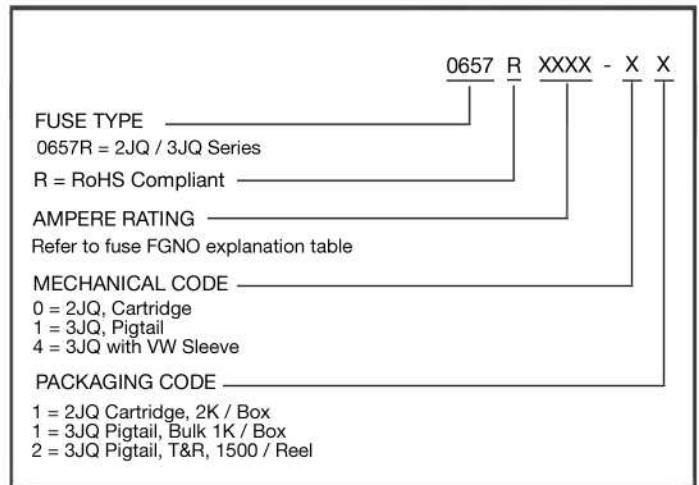
Fraction	Decimal	Milliamps	Bel FGNO[XXXX]	Fraction	Decimal	Amps	Bel FGNO[XXXX]
1/10	0.100	100	0100		1.0	1	1000
1/8	.125	125	0125	1-1/4	1.25	1.25	1250
15/100	.150	150	0150	1-1/2	1.50	1.5	1500
2/10	.200	200	0200		1.60	1.6	1600
1/4	.250	250	0250		2.0	2	2000
3/10	.300	300	0300	2-1/2	2.5	2.5	2500
35/100	.350	350	0350		3.0	3	3000
4/10	.400	400	0400	3-1/2	3.5	3.5	3500
1/2	.500	500	0500		4.0	4	4000
6/10	.600	600	0600		5.0	5	5000
3/4	.750	750	0750		6.0	6	6000
8/10	.800	800	0800		7.0	7	7000

Mechanical Dimensions



*Diameter lead 0.032" for all ratings

Ordering Information



Packaging

Packaging Option	Packaging Specification	Quantity	Packaging Code	Inside Tape Spacing
Bulk(bag)	N/A	2000	01	N/A
Bulk (Pigtail Type)	N/A	1000	11	N/A
Bulk (Pigtail Type) with Insulation Sleeve	N/A	1000	41	N/A
Tape & Reel, 10mm Pitch	EIA-296-F	1500	12	53
Tape & Reel with Insulation Sleeve, 10mm Pitch	EIA-296-F	1500	42	53

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