



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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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Type 0697H

Slow Blow Lead Micro Fuse Series

HF  0697H Series

RoHS 6 Compliant

Description

Subminiature, radial lead, High I²t, time-lag design, rated 350VAC, 72 DC, up to 20A, Approved and complied with UL248-14.

Features

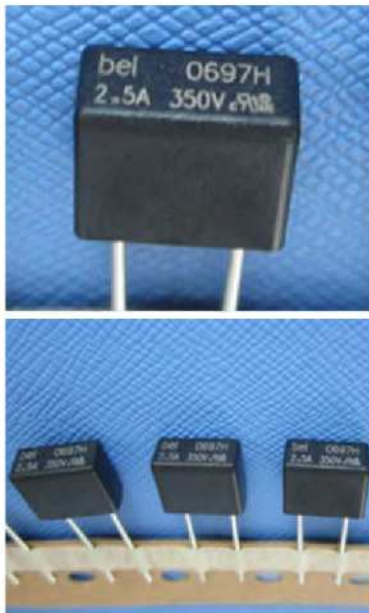
- High I²t, High amp ratings to 20A
- Time lag (350 VAC, 72 VDC)
- Meet UL 248-14
- Wide operating temperature range
- Bulk and Tape & Reel packing available
- RoHS 6 compliant
- Halogen Free
- Leadfree

Applications





Provide individual protection for components or internal circuits.

- Power supplies
- Battery chargers
- Consumer Electronics
- Adapter
- Industrial Controllers

LEAD FREE = 
HALOGEN FREE = 




Physical Specifications

Materials	Base and Cover : Black thermoplastic, UL 94-V0
	Pins : 100% Matte Tin Plated Copper
Marking	On Fuse :
	"bel", "0697H", "Current Rating", "350V" & "  "
	On Label :
	"bel", "0697H", "Current Rating", "Voltage Rating", "Interrupting Rating", "  " and "  ", "  "(China RoHS compliant).

Electrical Characteristics (UL 248-14)

Testing Current	Blow Time	
	Minimum	Maximum
100%	4 Hrs.	N/A
200%	N/A	60 Sec.

Safety Agency Approvals

SAFETY AGENCY	SAFETY AGENCY CERTIFICATE NUMBER	VOLTAGE RATING (V)	AMPERE RANGE / VOLT @ I.R. ABILITY*
	E20624	250mA - 3A / 350V ac 100V dc	250mA - 3A / 350V ac @100A 277V ac @150A 100V dc @ 65A 72V dc @ 200A
		3.15A - 20A / 350V ac 72V dc	3.15A - 20A / 350V ac @150A 72V dc @200A

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

Specifications subject to change without notice



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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 X 3 axis / no load).
Salt Spray Resistance	MIL-STD-202G, Method 101E, Test Condition B(48 hrs).
Solderability	MIL-STD-202G, Method 208H
Resistance to solder Heat	MIL-STD-202G, Method 210F, Test Condition C. Top Side.(260 °C,20 sec)
Moisture Resistance	MIL-STD-202G, Method 202G, Method 106G
Operating Temperature	-55 °C to +125 °C

Electrical Specifications

Part 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
								
0697H0250-XX	250mA	0.800	0.280	See Table of Safety Approvals on Page 1 for Voltage and associated Interrupting Ratings	0.18	0.26	0.070	Y
0697H0315-XX	315mA	0.500	0.260		0.27	0.35	0.075	Y
0697H0400-XX	400mA	0.360	0.220		0.57	1.10	0.080	Y
0697H0500-XX	500mA	0.260	0.200		1.1	1.5	0.09	Y
0697H0630-XX	630mA	0.190	0.170		1.5	2.5	0.11	Y
0697H0800-XX	800mA	0.140	0.150		3.6	4.6	0.12	Y
0697H1000-XX	1A	0.085	0.130		6.1	8.5	0.13	Y
0697H1250-XX	1.25A	0.070	0.120		8	11	0.15	Y
0697H1600-XX	1.6A	0.050	0.100		13	16	0.18	Y
0697H2000-XX	2A	0.036	0.090		23	29	0.20	Y
0697H2500-XX	2.5A	0.027	0.087		35	47	0.22	Y
0697H3000-XX	3A	0.022	0.085		58	64	0.27	Y
0697H3150-XX	3.15A	0.021	0.083		58	70	0.29	Y
0697H4000-XX	4A	0.016	0.080		85	95	0.33	Y
0697H5000-XX	5A	0.013	0.080		130	140	0.35	Y
0697H6300-XX	6.3A	0.010	0.080		180	185	0.51	Y
0697H8000-XX	8A	0.007	0.080		325	335	0.77	Y
0697H9100-XX	10A	0.0055	0.080		370	390	0.90	Y
0697H9120-XX	12A	0.0047	0.090		360	480	0.96	Y
0697H9150-XX	15A	0.0035	0.090		563	575	1.10	Y
0697H9160-XX	16A	0.0033	0.090	610	650	1.20	Y	
0697H9200-XX	20A	0.0026	0.090	1100	1100	1.90	Y	

Consult manufacturer for other ratings
XX - Packaging code (see "ordering information")

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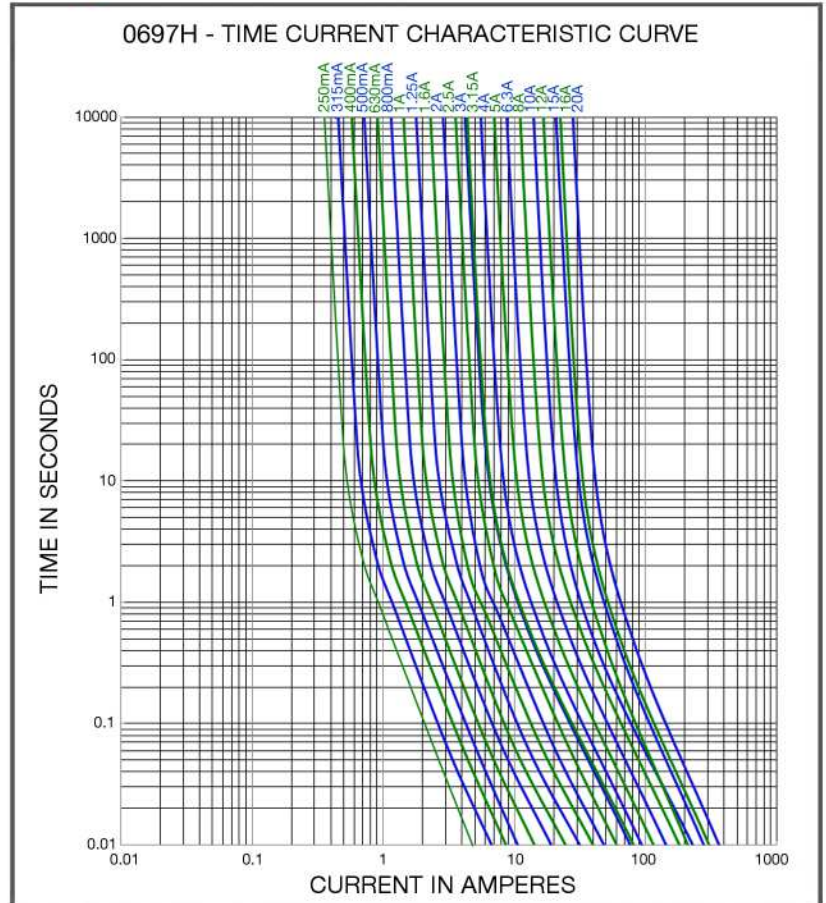
Type 0697H

Slow Blow Lead Micro Fuse Series

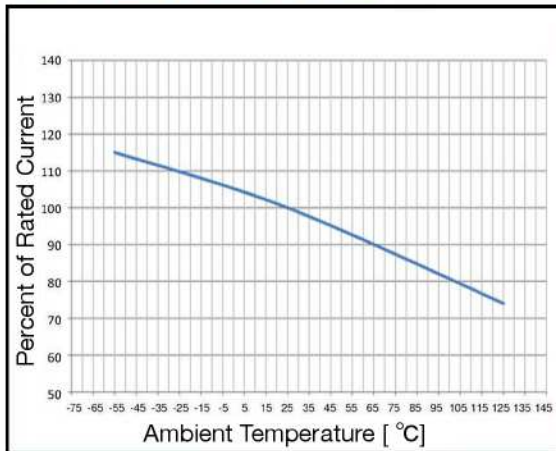
HF Pb 0697H Series

RoHS 6 Compliant

Average Time Current Curve

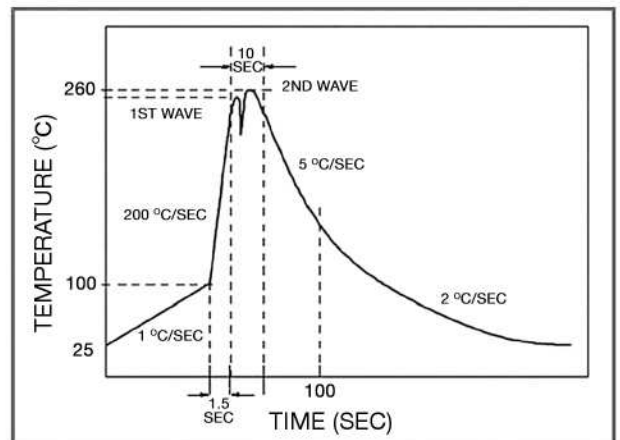


Temperature Derating Curve



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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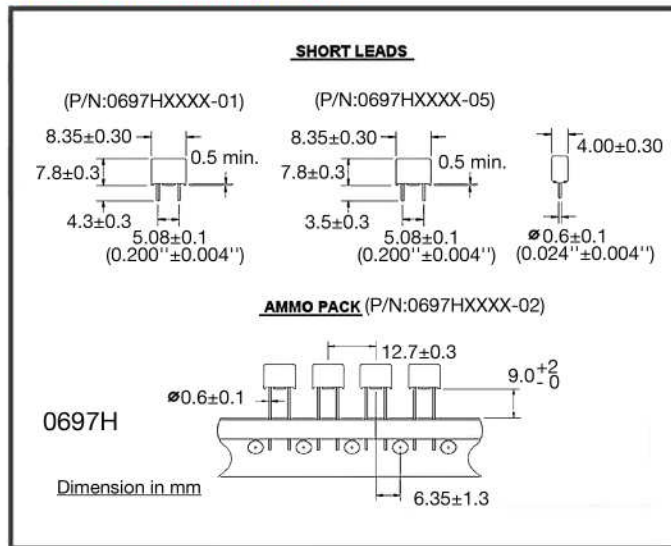
Fuse FGNO Explanation

0697 H [XXXX] - XX

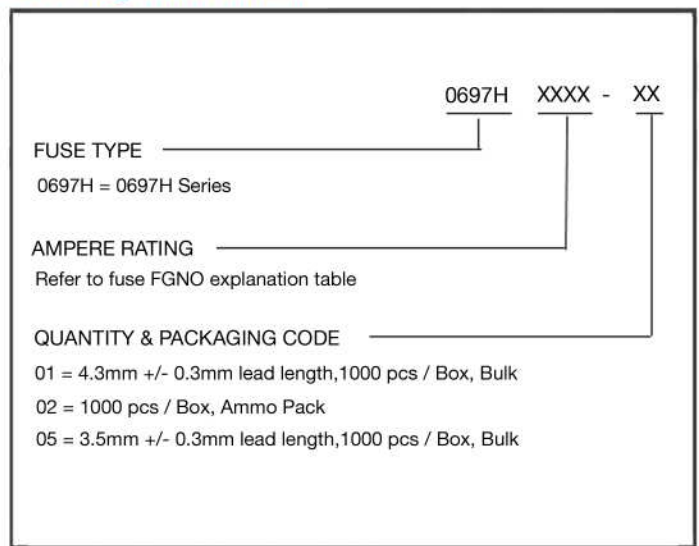
0697H=0697H; [XXXX]=Ampere Rating; XX=See Ordering Information as below

Fraction	Decimal	Milliamps	Bel FGNO[XXXX]	Fraction	Decimal	Amps	Bel FGNO[XXXX]
1/4	0.250	250	0250		1.0	1	1000
	.315	315	0315	1-1/4	1.25	1.25	1250
4/10	.400	400	0400		1.60	1.6	1600
1/2	.500	500	0500		2.0	2	2000
	.630	630	0630	2-1/2	2.5	2.5	2500
8/10	.800	800	0800		3.0	3	3000
					3.15	3.15	3150
					4.0	4	4000
					5.0	5	5000
					6.3	6.3	6300
					8.0	8	8000
					10	10	9100
					12	12	9120
					15	15	9150
					16	16	9160
					20	20	9200

Mechanical Dimensions



Ordering Information



Packaging

Packaging Option	Packaging Specification	Quantity	Packaging Code
Bulk / bag, 1000 / box	N/A	1000	01 , 05
12.7 mm pitch, On Tape / box	IEC-286-2	1000	02

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