



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 0697W

Time Lag Radial Lead Micro Fuse Series

HF (Pb) 0697W Series

RoHS 6 Compliant

Description

Sub-miniature, time lag type, 350VAC, 72VDC rated fuses designed, approved and complied with IEC 60127-3, standard sheet 4.

Features

- Time lag (350 VAC, 72 VDC)
- Meet IEC standard 60127-3, sheet 4
- Wide operating temperature range
- Bulk and Tape & Reel packing available
- RoHS 6 compliant
- Halogen Free
- Leadfree

Applications

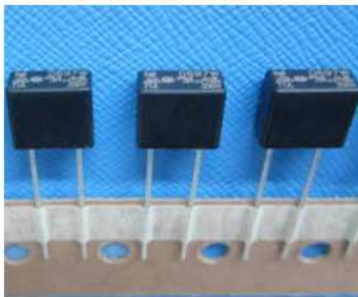
Provide individual protection for components or internal circuits.

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

LEAD FREE = (Pb)
HALOGEN FREE = (HF)

Physical Specifications

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



Electrical Characteristics (IEC-127-3 STANDARD SHEET 4)

Rated Current	1.5In	2.1In	2.75In		4In		10In	
	Min	Max	Min	Max	Min	Max	Min	Max
1A to 6.3A	1	2	400	10	150	3	20	150
inclusive	hour	min.	ms	sec	ms	sec	ms	ms

Safety Agency Approvals

SAFETY AGENCY	SAFETY AGENCY CERTIFICATE NUMBER	VOLTAGE RATING (V)	AMPERE RANGE / VOLT @ I.R. ABILITY*
	40039412	1A - 6.3A / 350V ac 72V dc	1A - 1.6A / 350V ac @ 50A 2A - 6.3A / 350V ac @ 65A 1A - 6.3A / 250V ac @ 65A 1A - 6.3A / 72V dc @ 100A
	PSE14020757 PSE14020758		1A - 2A / 350V ac @ 50A 2.5A - 6.3A / 350V ac @ 100A 1A - 6.3A / 72V dc @ 100A
	E20624		1A - 2A / 350V ac @ 65A 2.5A - 6.3A / 350V ac @ 100A 1A - 1.6A / 72V dc @ 65A 2A - 6.3A / 72V dc @ 100A
	CQC14012105367		1A - 2A / 350V ac @ 50A 2.5A - 6.3A / 350V ac @ 100A 1A - 6.3A / 72V dc @ 100A

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

Specifications subject to change without notice



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HF  0697W Series

RoHS 6 Compliant

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 I²T <10 mSec (A² Sec)	Melting I²T @10 In (A² Sec)	Maximum Power Dissipation (W)	Agency Approvals			
											
0697W1000-XX	1A	0.082	0.115	See Table of Safety Approvals on Page 1 for Voltage and associated Interrupting Ratings	6.6	9.2	0.44	Y	Y	Y	Y
0697W1250-XX	1.25A	0.064	0.110		10.5	12.0	0.56	Y	Y	Y	Y
0697W1600-XX	1.6A	0.044	0.100		16	18	0.60	Y	Y	Y	Y
0697W2000-XX	2A	0.032	0.090		26	30	0.63	Y	Y	Y	Y
0697W2500-XX	2.5A	0.025	0.087		45	51	0.70	Y	Y	Y	Y
0697W3150-XX	3.15A	0.018	0.083		66	75	0.88	Y	Y	Y	Y
0697W4000-XX	4A	0.014	0.080		101	118	0.92	Y	Y	Y	Y
0697W5000-XX	5A	0.009	0.075		111	117	0.70	Y	Y	Y	Y
0697W6300-XX	6.3A	0.007	0.075		104	115	0.98	Y	Y	Y	Y

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

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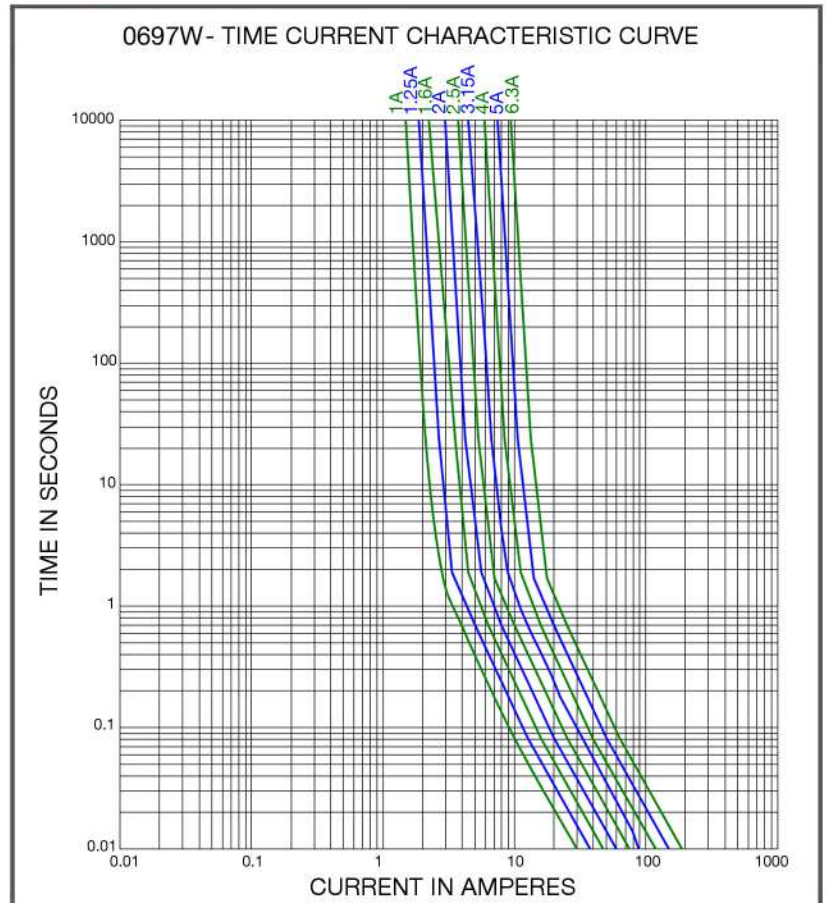
Type 0697W

Time Lag Radial Lead Micro Fuse Series

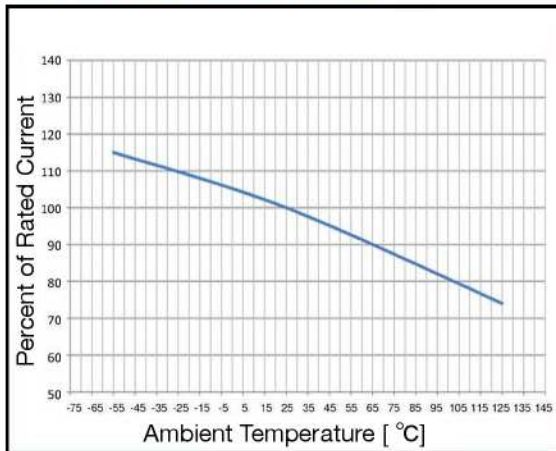
HF Pb 0697W Series

RoHS 6 Compliant

Average Time Current Curve

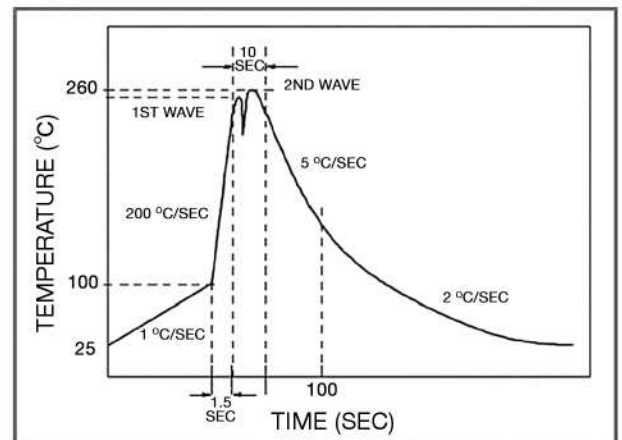


Temperature Derating Curve



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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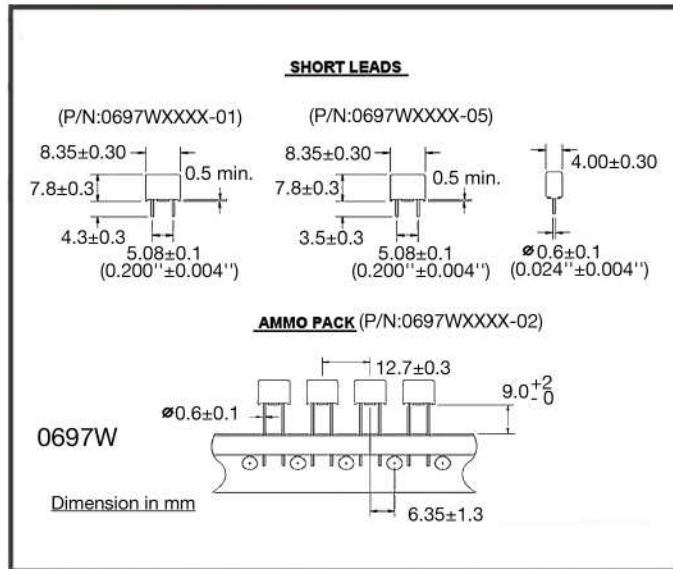
Fuse FGNO Explanation

0697 W [XXXX] - XX

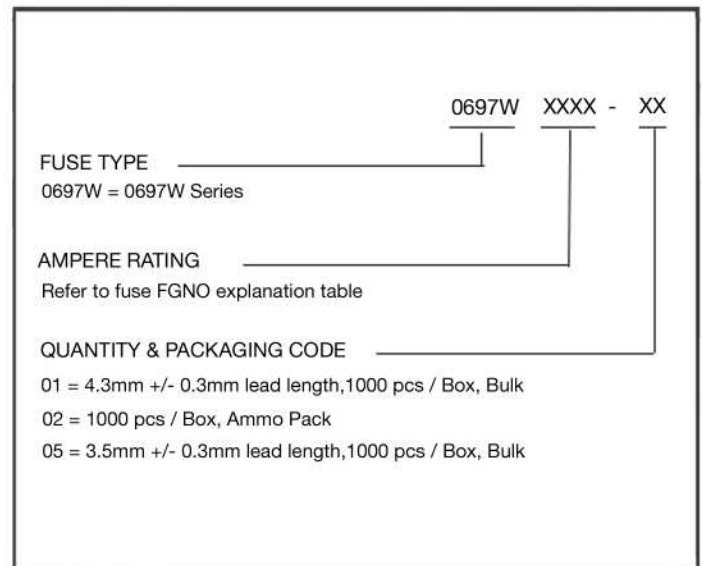
0697W=0697W; [XXXX]=Ampere Rating; XX=See Ordering Information as below

Fraction	Decimal	Amps	Bel FGNO[XXXX]
	1.0	1	1000
1-1/4	1.25	1.25	1250
	1.60	1.6	1600
	2.0	2	2000
2-1/2	2.5	2.5	2500
	3.15	3.15	3150
	4.0	4	4000
	5.0	5	5000
	6.3	6.3	6300

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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