



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 MJS

Lightning Surge Withstand Fuse

HF **Pb** MJS Series, 5x15mm Glass Tube Lightning Surge Withstand Fuse **RoHS 6 Compliant**

Description

MJS fuses have been used for Tip and Ring protection in telecommunication circuits. And they continue to be used in legacy designs. However, with advent of new issues of IEC/UL 60950 and Telcordia GR-1089 (Issue 3). MJS fuses may no longer meet all test requirements, depending on the end product circuit design. It is recommended that Types RJS and SMP be evaluated for all new telecommunication applications.

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
- Telecom protection

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



Physical Specifications

Materials	Body : Glass
	Cap : Nickel Plated Brass Caps
	Leads : Matte Tin Plated Copper, Diameter 0.032"
Marking	On Fuse :
	"bel", "MJS", "Current Rating", "Voltage Rating", "Appropriate Safety Logos", "✓" (RoHS 6 compliant)
	On Label :
	"bel", "MJS", "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%	3 sec	20 sec
500%	100 msec	1.5 sec
1000%	30 msec	300 msec

Safety Agency Approvals

SAFETY AGENCY	SAFETY AGENCY CERTIFICATE NUMBER	VOLTAGE RATING (V)	AMPERE RANGE / VOLT @ I.R. ABILITY*
	E20624	100mA - 7A / 250V AC	100mA - 7A / 125V AC @ 10,000A
	LR39772		100mA - 7A / 250V AC @ 200A
	JET 1037-31003-1011		1A - 5A / 125V AC @ 500A

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

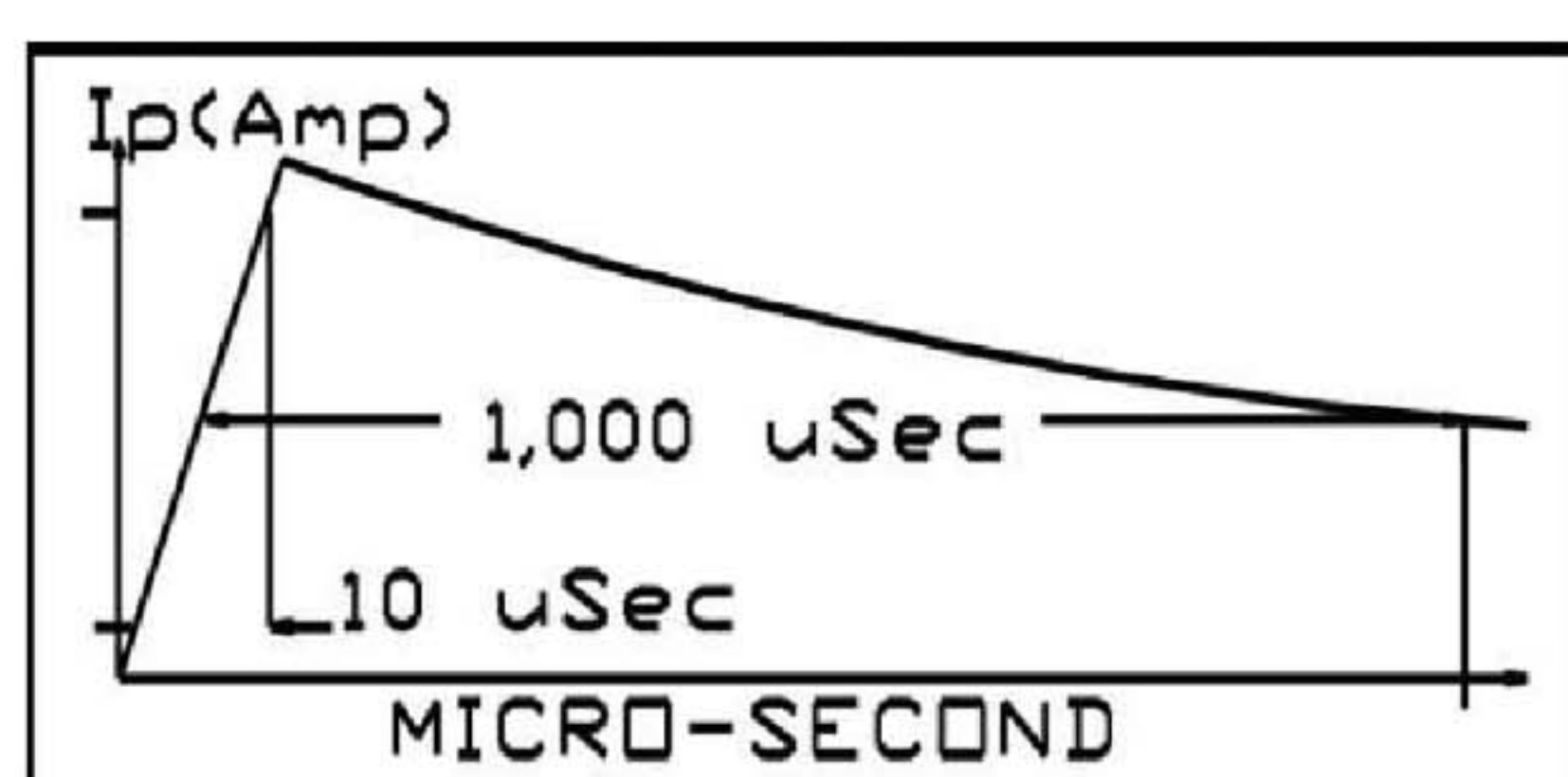


FIG A

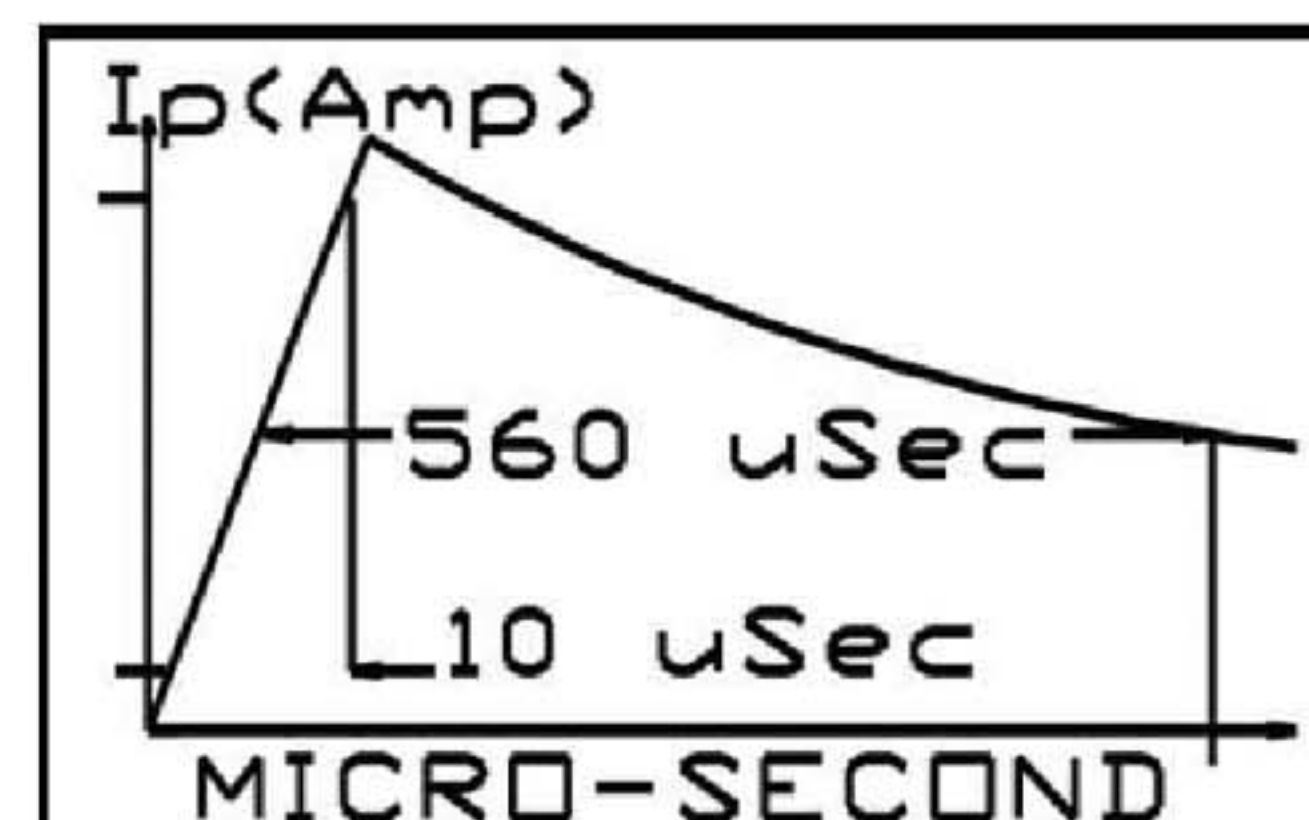


FIG B

Specifications subject to change without notice



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belfuse.com

Type MJS




Lightning Surge Withstand Fuse

HF  MJS Series, 5x15mm Glass Tube Lightning Surge Withstand Fuse 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, 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 <10m Sec (A ² Sec)	Melting I ² T @10 In (A ² Sec)	Peak Surge Current (Amp)		Maximum Power Dissipation (W)	Agency Approvals		
							(Fig A) 25 Pulses 10uS x 1000uS	(Fig B) 50 Pulses 10uS x 560uS				
MJS 100-R	100mA	12.5	1.88		0.068	0.088	4.5	6.0	0.22	Y	Y	
MJS 125-R	125mA	7.8	1.44		0.107	0.138	5.6	7.5	0.24	Y	Y	
MJS 150-R	150mA	5.3	1.17		0.167	0.216	6.8	9	0.27	Y	Y	
MJS 200-R	200mA	3.7	1.02		0.26	0.34	9	12	0.30	Y	Y	