



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 GSA / GSAP

Slow Blow Fuse Series

HF (Pb) GSA/GSAP Series, 6x32mm Ceramic Tube Slow Blow Fuse

RoHS 6 Compliant

Description

6x32mm Slow 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 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 : Ceramic
	Cap : Nickel Plated Brass Caps
	Leads : Matte Tin Plated Copper
Marking	On Fuse :
	"bel", "GSA", "Current Rating", "Voltage Rating",
	"Appropriate Safety Logos", "✓" (RoHS 6 compliant)
	On Label :
	"bel", "GSA" or "GSAP", "Current Rating", "Voltage Rating", "Interrupting Rating", "Appropriate Safety Logos" and "☑", "Ⓢ" (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%	5 sec	30 sec

Safety Agency Approvals

SAFETY AGENCY	SAFETY AGENCY CERTIFICATE NUMBER	VOLTAGE RATING (V)	AMPERE RANGE / VOLT @ I.R. ABILITY*
UL US	E20624 LR39772	63mA - 15A / 250V AC	63mA - 8A / 125V AC @ 10,000A 63mA - 1A / 250V AC @ 35A > 1A - 3.5A / 250V AC @ 100A > 3.5A - 8A / 250V AC @ 200A
SP			10A - 15A / 125V AC @ 10,000A 10A - 15A / 250V AC @ 750A
RA US	JET1037-31003-1010 JET1037-31003-1011		1A - 5A / 125V AC @ 500A
SP	JET1037-31003-1007	>5A - 15A / 125V AC @ 300A	

* 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, 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				
								UL US	CSA	RU US	SP	PSE
GSA (P) 63-R	63mA	75.5	7.33		0.087	0.098	0.71	Y	Y			
GSA (P) 80-R	80mA	48.4	6.27		0.135	0.152	0.74	Y	Y			
GSA (P) 100-R	100mA	29.4	4.41		0.209	0.238	0.55	Y	Y			
GSA (P) 125-R	125mA	17.5	3.45		0.323	0.372	0.58	Y	Y			
GSA (P) 160-R	160mA	12.3	3.13		0.499	0.581	0.60	Y	Y			
GSA (P) 200-R	200mA	7.1	2.13		0.773	0.908	0.63	Y	Y			
GSA (P) 250-R	250mA	5.0	1.97		1.2	1.4	0.66	Y	Y			