



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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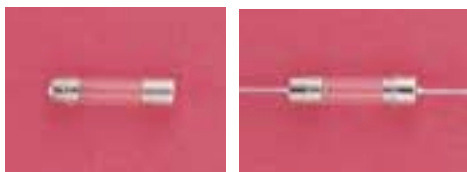
defining a degree of excellence

# Type 5MF / 5MFP

## Fast Blow Fuse Series

5 x 20mm Glass Tube

5MFD0903



### 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	5 Sec

### Approvals



Safety Agency Approvals	Type	Amp range / volt @ I.R. ability
Listed File No. E20624 Certified File No. LR39772	5MF / 5MFP	80mA - 3A / 250V AC@ 200A 80mA - 8A / 125V AC@ 10,000A
File No. JET1037-31003-1001, JET1037-31003-1003 File No. JET1037-31003-1002	5MF / 5MFP 5MF	1A - 5A / 125V AC@ 500A >5A - 15A / 125V AC@ 300A

### Operating Temperature

-55°C to +125°C

### Physical Specification

#### Materials

Glass body / Nickel Plated Brass Caps

Lead wire:

- Tin-lead plated Copper,
- Diameter 0.032", 5A and less
- Diameter 0.040", 6A and above

#### Marking

On fuse:

"bel", "5MF", "Current Rating", "Voltage Rating", and "Appropriate Safety Logos"

On label:

Above info plus "CE" and interrupting rating

Voltage on fuse:

250V for 80mA to 3A; 125V for rating above 3A

#### Packaging

1. In bulk:

5MF - 1,000 pcs per box; 5MFP - 500 pcs per box

2. On Axial Tape & Reel:

1,500 pcs per reel

3. Tape & Reel specification:

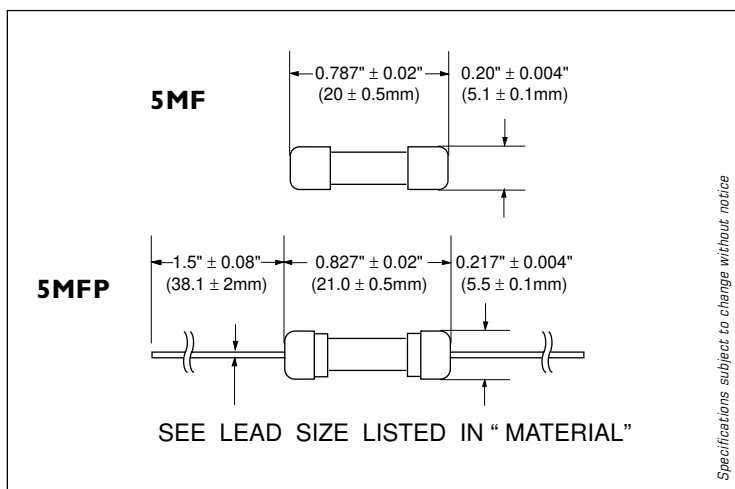
per EIA-296-E & IEC 286-1

@ 10mm Pitch and 63.5mm inside Tape Spacing

Catalog Number	Ampere Rating	Typical Cold Resistance (ohm)	Volt-drop @100% $I_n$ (Volt) max.	Melting $I^2T < 10$ mSec (A <sup>2</sup> Sec)	Melting $I^2T @10$ $I_n$ (A <sup>2</sup> Sec)	Maximum Power Dissipation (W)
5MF (P) 80	80mA	10.2	3.05	0.0004	0.0004	0.32
5MF (P) 100	100mA	7.2	2.65	0.0009	0.0008	0.35
5MF (P) 125	125mA	6.8	3.64	0.0017	0.0015	0.60
5MF (P) 200	200mA	3.4	2.76	0.007	0.006	0.72
5MF (P) 250	250mA	2.4	2.40	0.014	0.013	0.79
5MF (P) 300	300mA	1.7	2.09	0.028	0.027	0.84
5MF (P) 500	500mA	0.84	1.58	0.116	0.113	1.04
5MF (P) 700	700mA	0.18	0.22	0.390	0.370	0.20
5MF (P) 1	1A	0.12	0.20	0.88	0.85	0.26
5MF (P) 1.25	1.25A	0.09	0.19	1.50	1.48	0.31
5MF (P) 1.5	1.5A	0.07	0.18	2.58	2.58	0.36
5MF (P) 2	2A	0.05	0.17	4.4	4.5	0.44
5MF (P) 2.5	2.5A	0.04	0.16	7.6	7.8	0.52
5MF (P) 3	3A	0.03	0.15	13	14	0.59
5MF (P) 3.5	3.5A	0.026	0.14	17	18	0.66
5MF (P) 4	4A	0.022	0.14	22	24	0.73
5MF (P) 5	5A	0.017	0.13	38	41	0.86
5MF (P) 6	6A	0.013	0.12	66	72	0.98
5MF (P) 7	7A	0.011	0.12	86	95	1.10
5MF (P) 8	8A	0.010	0.12	113	126	1.22

Consult manufacturer for other ratings

### Mechanical Dimensions



SEE LEAD SIZE LISTED IN "MATERIAL"

Specifications subject to change without notice

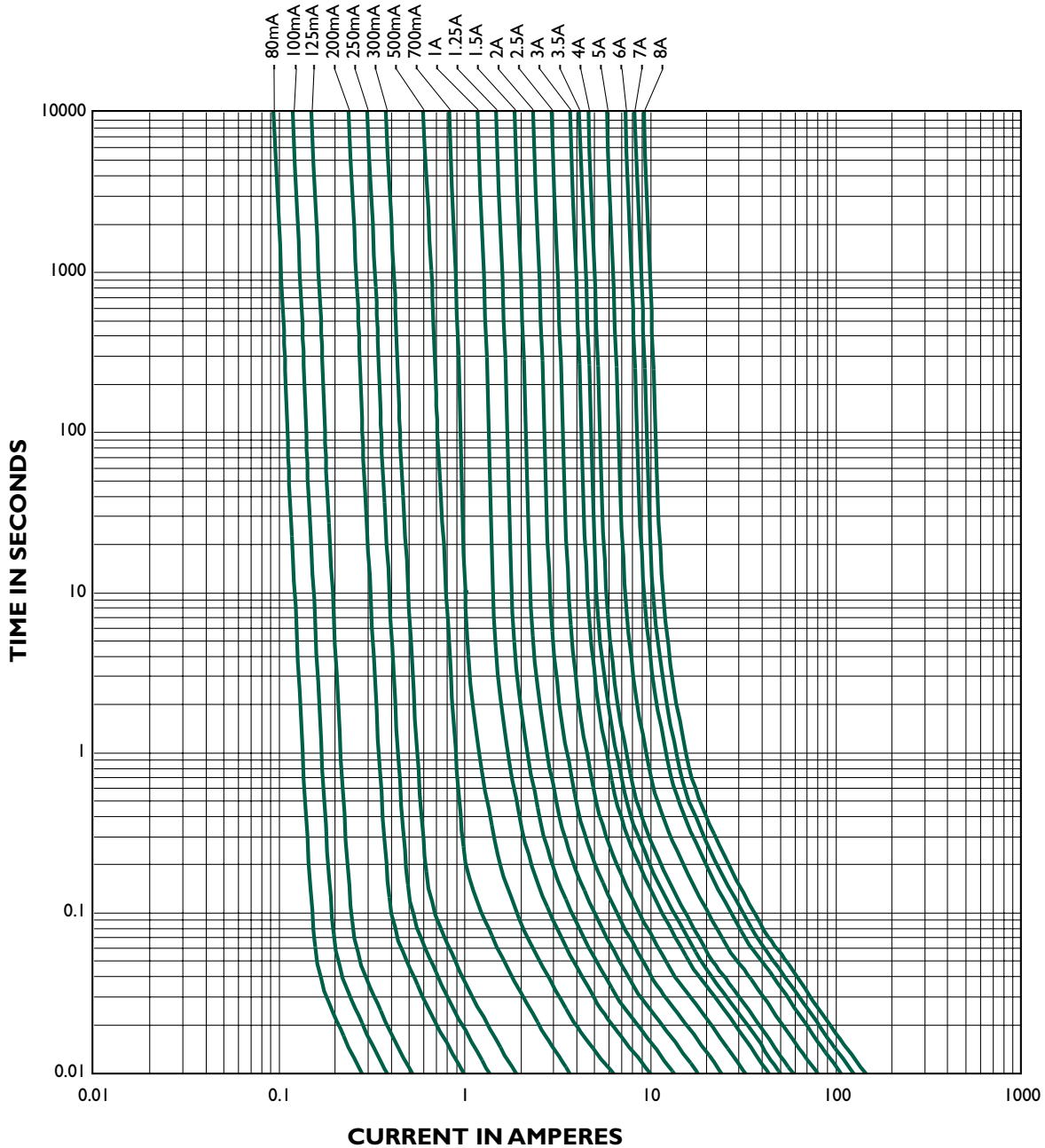
ORDERING INFORMATION SEE PAGES 67 & 68

**Type 5MF / 5MFP**  
Fast Blow Fuse Series

5 x 20mm Glass Tube

5MFC0801

**5MF / 5MFP - TIME CURRENT CHARACTERISTIC CURVE**



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NOTE - see important information under "User Guide" on P.08

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