SMD Fuses

multicomp PRO





Description

The brick fuse for the small size and good electrical performance, reliability and quality. The solder-free design provides excellent on-off and temperature cycling characteristics during use and also makes our brick fuses more heat and shock tolerant than typical subminiature fuses.

Features

- Rapid interruption of excessive current
- · Ceramic body and silver plated copper terminal
- Excellent environmental integrity
- · One time positive disconnect
- Operating Temperature: -55°C to +125°C
- Storage Conditions: +10°C to +60°C
- Vibration Resistance: 24 cycles at 15 min. each (60068-6)
- · Lead-free and Halogen-free
- Designed to UL 248-14

Electrical Characteristics

Part Number	Rated Current	Rated Voltage	Max. Voltage Drop (mV)	Typical Melting I²t(A²sec)	Typical Cold Resistance (mΩ)	Breaking Capacity
MP012920	500mA	125V AC 250V AC 125V DC 250V DC	220	0.9	277	150A@125V AC 150A@250V AC 150A@125V DC 150A@250V DC 100A@350V DC
MP012921	750mA		150	1.69	140	
MP012922	2.5A		100	27	26.6	
MP012923	3.15A	350V DC	100	51.8	20.5	

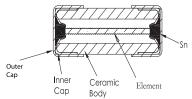
Note: (1) Permissible continuous operating current is ≤100% at ambient temperature of 23°C (73.4°F) (2) The current values used for calculating I²T should be within the standard range of 8ms ~ 10ms

Time VS Current Characteristics Table

(Measured with constant current power supply)

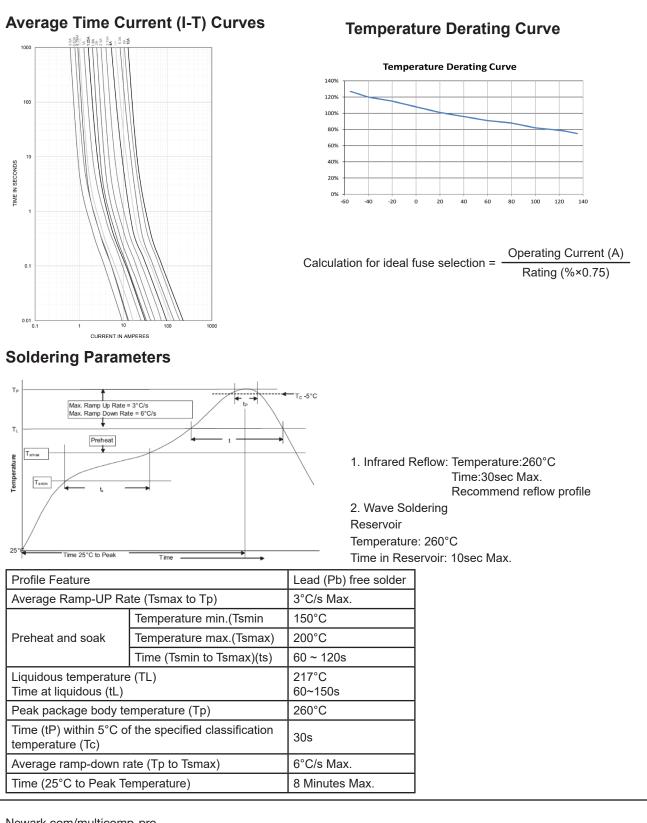
Rated Current	100%	200%
500mA to 3.15A	>4H	<60s

Construction



Newark.com/multicomp-pro Farnell.com/multicomp-pro sg.element14.com/b/multicomp-pro





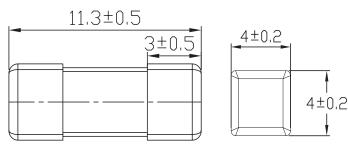
Newark.com/multicomp-pro Farnell.com/multicomp-pro sg.element14.com/b/multicomp-pro

18/08/23 V1.0

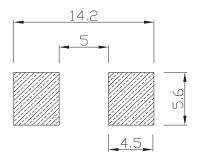
multicomp PRO

multicomp PRO

Diagram



Recommended Land Pattern



Part Number Table

Description	Part Number
SMD Brick Fuse, Time Lag, 1140 size, 500mA	MP012920
SMD Brick Fuse, Time Lag, 1140 size, 750mA	MP012921
SMD Brick Fuse, Time Lag, 1140 size, 2.5A	MP012922
SMD Brick Fuse, Time Lag, 1140 size, 3.15A	MP012923

Dimensions : Millimetres

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro Farnell.com/multicomp-pro sg.element14.com/b/multicomp-pro

