

Radial Leaded PTC Resettable Fuse **multicomp**PRO

**RoHS
Compliant**



Application

- Wide variety of electronic equipment

Features

- Low resistance
- High hold current
- Solid state
- Radial leaded product ideal for up to 30V
- UL Approved

Specifications

Operation Current : 7A
Maximum Voltage : 30V
Temperature Range : -40°C to +85°C

Electrical Characteristics (23°C)

Part Number	Hold Current	Trip Current	Max.Time to Trip	Max. Current	Rated Voltage	Typ. Power	Resistance	
							R _{MIN}	R _{1MAX}
	I _H , A	I _T , A	at 5X I _H , S	I _{MAX} , A	V _{MAX} , VDC	P _d , W	Ω	Ω
MC36182	7	14	17.5	100	300	3.8	0.005	0.03

I_H=Hold current-maximum current at which the device will not trip at 23°C still air.

I_T=Trip current-minimum current at which the device will always trip at 23°C still air.

V_{MAX}=Maximum voltage device can withstand without damage at its rated current.

I_{MAX}= Maximum fault current device can withstand without damage at rated voltage (V max).

P_d=Typical power dissipated from device when in the tripped state in 23°C still air environment.

R_{MIN}=Minimum device resistance at 23°C.

R_{1MAX}=Maximum device resistance at 23°C, 1 hour after tripping.

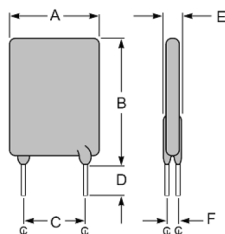
Physical specifications:

Lead material: Tin plated copper, 20 AWG.

Soldering characteristics:MIL-STD-202, Method 208E.

Insulating coating:Flame retardant epoxy, meet UL-94V-0 requirement.

Production Dimensions



Lead Size: 20AWG
Ø0.81mm

A	B	C	D	E	F
Maximum	Maximum	Typical	Minimum	Maximum	Typical
19.1mm	26.7mm	10.2mm	7.6mm	3mm	1.2mm

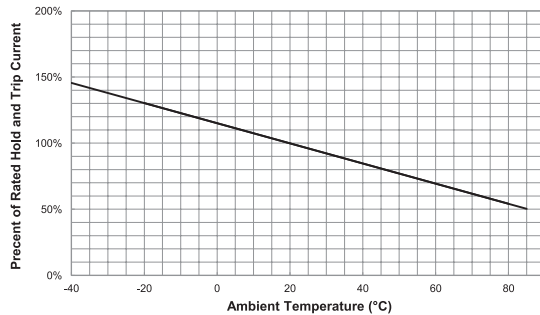
Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

multicompPRO

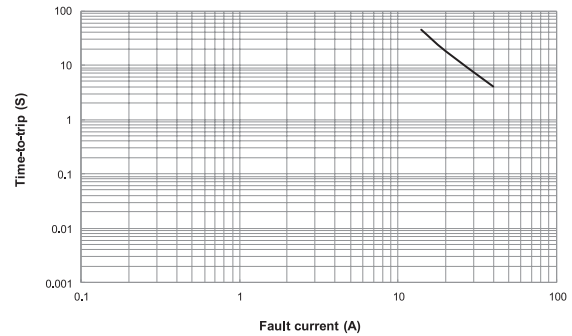
Radial Leaded PTC Resettable Fuse

multicompPRO

Thermal Derating Curve



Typical Time-To-Trip at 23°C



Part Number Table

Description	Holding Current	Trip Current	Part Number
Radial Leaded PTC Resettable Fuse, 30V DC	7A	14A	MC36182

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

multicompPRO