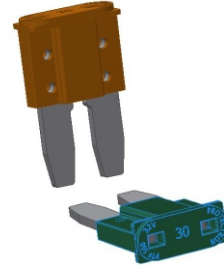




**DESCRIPTION :** MICRO BLADE FUSE- STANDARD PLUG IN TYPE

**PART NO:** PTF 500 In  
(REFER TABLE)



### ELECTRICAL PARAMETERS:

RATED VOLTAGE : DC 32V  
INTERRUPTING RATING : 1000A @ 32V DC  
COMPONENT LEVEL TEMPERATURE RANGE : -40°C TO +105°C  
SYSTEM LEVEL TEMPERATURE RANGE : -40°C TO +85°C  
105°C AND 85°C ARE TYPICAL SYSTEM LEVEL TEMPERATURE REQUIREMENTS

### MATERIAL AND FINISH

BODY : NYLON (PA66)  
ELEMENT : ZINC MATERIAL, TIN PLATED  
DESIGN COMPLIES WITH : SAE 2741, ISO 8820-3

### PACKING DETAILS:

STANDARD : 500 No's BULK PACKING  
CUSTOMIZED PACKING IS AVAILABLE BASED ON REQUEST










**DESCRIPTION** : MICRO BLADE FUSE- STANDARD PLUG IN TYPE

**PART NO:** PTF 500 I<sub>n</sub>  
(REFER TABLE)

ORDERING INFORMATION

PTF 500 I<sub>n</sub>

I<sub>n</sub> = NOMINAL CURRENT(5A TO 30A)

| PART NUMBERS | CURRENT RATING (A) | HOUSING MATERIAL COLOR  | TYPICAL VOLTAGE DROP (mV) | TYPICAL COLD RESISTANCE (mΩ) | I <sup>2</sup> t VALUE(A <sup>2</sup> s) (TYPICAL) |
|--------------|--------------------|---|---------------------------|------------------------------|--|
| PTF 500 5A   | 5A                 | TAN      | 116                       | 17.4                         | 16.15  |
| PTF 500 7.5A | 7.5A               | BROWN    | 106                       | 10.8                         | 45.12  |
| PTF 500 10A  | 10A                | RED      | 102                       | 7.7                          | 83.66  |
| PTF 500 15A  | 15A                | BLUE     | 94                        | 4.9                          | 177.66   |
| PTF 500 20A  | 20A                | YELLOW   | 91                        | 3.5                          | 381.12   |
| PTF 500 25A  | 25A                | NATURAL  | 90                        | 2.6                          | 555.75   |
| PTF 500 30A  | 30A                | GREEN    | 88                        | 2.1                          | 986.88   |

MARKINGS ON THE INSULATOR SHOULD BE AS FOLLOWS:-

'AMPERAGE', 'VOLTAGE RATING' AND 'PROTECTRON' (MANUFACTURER)

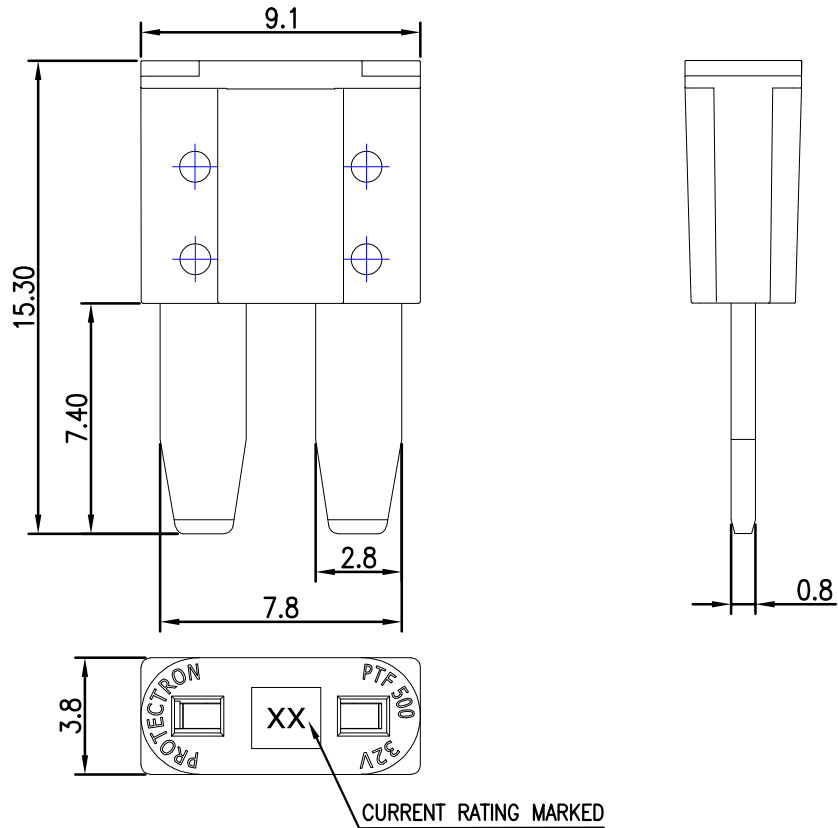
ELECTRICAL CHARACTERISTICS:-

| % OF AMPERE RATING | AMPERE RATING | OPENING TIME                |
|--------------------|---------------|-----------------------------|
| 110%               | 5-30Amp       | 100 Hours Min.              |
| 135%               | 5-30Amp       | 0.75sec. Min.; 120sec. Max. |
| 160%               | 5-30Amp       | 0.25sec. Min.; 50sec. Max.  |
| 200%               | 5-30Amp       | 0.15sec. Min.; 5sec. Max.   |
| 350%               | 5-30Amp       | 0.04sec. Min.; 0.5sec. Max. |
| 600%               | 5-30Amp       | 0.02sec. Min; 0.1sec. Max.  |

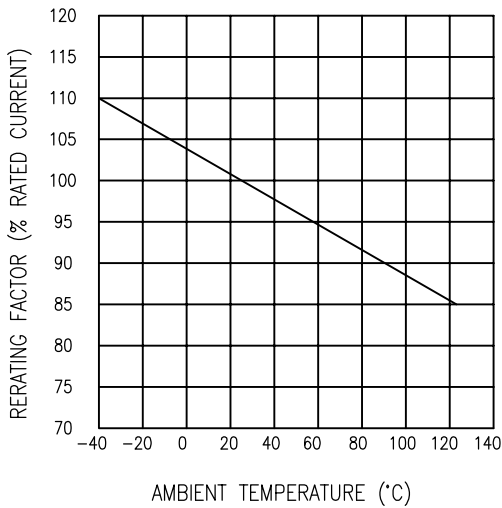


**DESCRIPTION :** MICRO BLADE FUSE- STANDARD PLUG IN TYPE

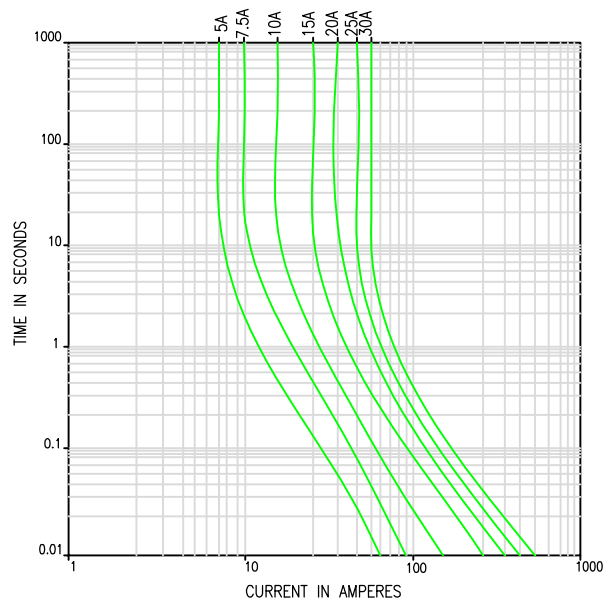
**PART NO:** PTF 500 In  
(REFER TABLE)



**TEMPERATURE RERATING CURVE**



**TIME-CURRENT CHARACTERISTIC CURVES**



Projection:

Scale: NTS

Sht. Size: A4

Gen. Tol.: ±0.25mm  
±2'

ALL DIMENSIONS ARE IN MM.  
IF UNLESS OTHERWISE SPECIFIED.