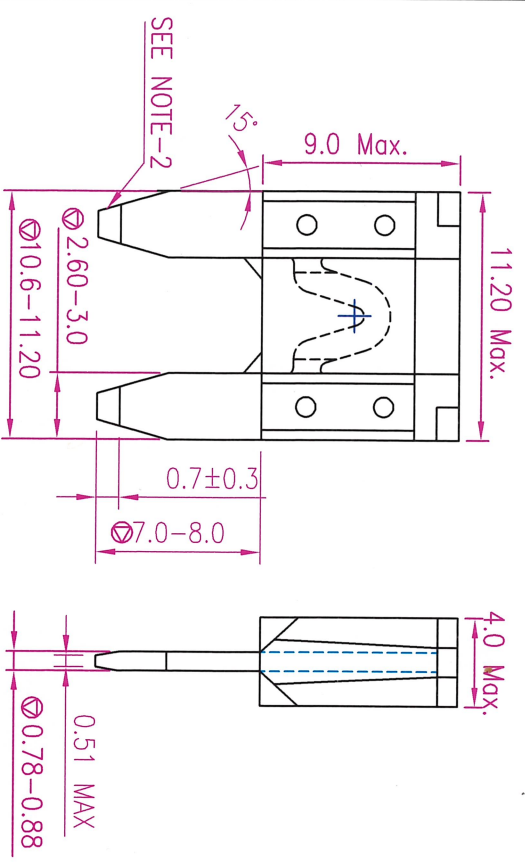


**In = NOMINAL CURRENT(2A TO 30A)**

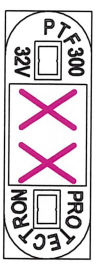


CURRENT RATING	BODY COLOUR	PART NO.	PLATING SPEC.	I <sup>2</sup> VALUE(A <sup>2</sup> s) (TYP)	TYPICAL VOLTAGE DROP (mV)
2A	GREY	PTF 300 2A	TIN	7.07	171
3A	VIOLET	PTF 300 3A	TIN	14.20	153
4A	PINK	PTF 300 4A	TIN	32.80	121
5A	TAN	PTF 300 5A	TIN	43.60	129
7.5A	BROWN	PTF 300 7.5A	TIN	112.90	135
10A	RED	PTF 300 10A	TIN	139	108
15A	BLUE	PTF 300 15A	TIN	372	98
20A	YELLOW	PTF 300 20A	TIN	463.9	96
25A	NATURAL	PTF 300 25A	TIN	940.3	86
30A	GREEN	PTF 300 30A	TIN	2674	87

NOTE: THE ABOVE MENTIONED I<sup>2</sup> VALUES ARE TYPICAL

**ELECTRICAL CHARACTERISTICS:-**

% OF AMPERE RATING	AMPERE RATING	OPENING TIME
110%	3-30Amp	100 Hours Min.
135%	3-30Amp	750msec. Min.; 600sec. Max.
160%	3-30Amp	250msec. Min.; 50sec. Max.
200%	3-30Amp	150msec. Min.; 5sec. Max.
350%	3-30Amp	80msec. Min.; 500msec. Max.
600%	3-30Amp	30msec. Min.; 100msec. Max.



**DESIGN STANDARDS :**

- UL-275A STANDARD FOR AUTOMOTIVE BLADE TYPE FUSES. RATED VOLTAGE : DC 32V OR LESS INTERRUPTING RATING : 1000A @ 32VDC OPERATING TEMPERATURE : -40°C TO +105°C(Sn PLATED) UL RECOGNIZED FOR TIN : FILE NO.E228912

MARKINGS ON THE FUSE SHOULD BE AS FOLLOWS:-  
'AMPERAGE', 'VOLTAGE RATING' AND 'PROTECTRON' (MANUFACTURER)

**NOTE:-**

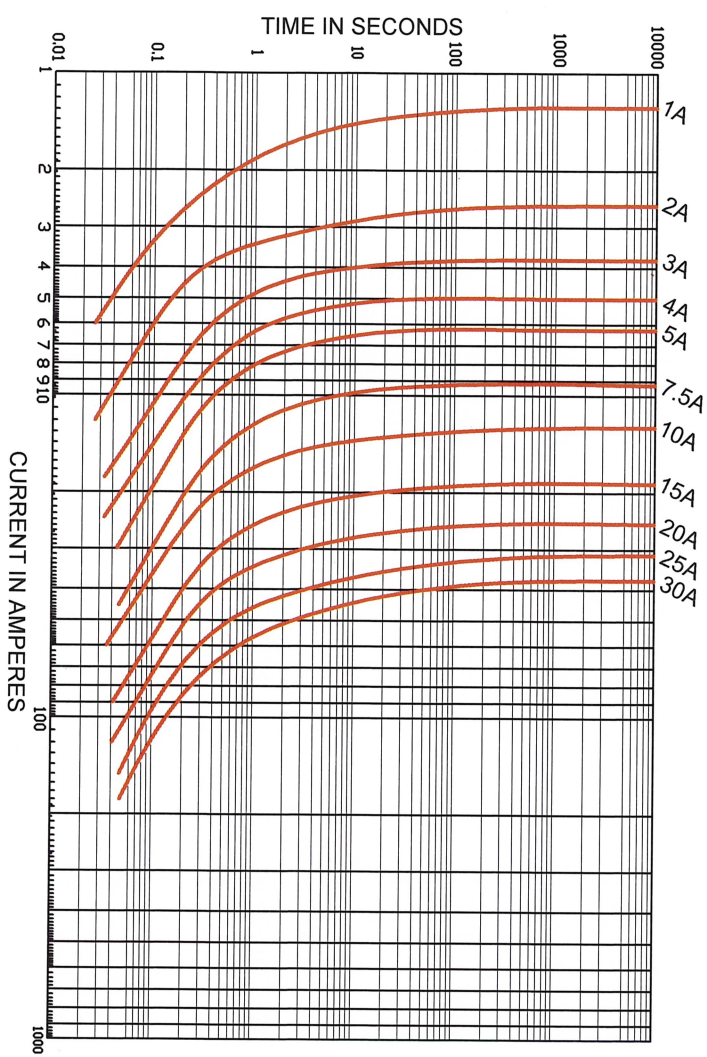
- CRITICAL DIMENSIONS.
- ACCEPTABLE BURR LEVEL: AT MATING AREA : 0.02mm
- INSERTION FORCE : MAX. 2.5KG, WITH MATING PART SLOT WIDTH RANGES FROM 0.8-1.1mm

REV.	ZONE	DESCRIPTION	DRG REV BY	DATE	DOCUMENT CODE :	HEAT TREATMENT	ENG APP'D :	APP'D BY :	DATE :	ALL DIMENSIONS ARE IN MM. IF UNLESS OTHERWISE SPECIFIED.
A		ORIGINAL		29.01.2013	<b>4D PTF300 01</b>	---		<i>Sachin</i>	29.01.2013	ALL DIMENSIONS ARE IN MM. IF UNLESS OTHERWISE SPECIFIED. <b>PROTECTRON ELECTROMECH (P) LTD.</b> Bangalore, INDIA. This Document is the property of PROTECTRON ELECTROMECH (P) LTD. It shall not be reproduced or communicated to a third party without prior permission. DWG according to STD. Sheet: 1 OF 2
A1		OPERATING TEMPERATURE DETAILS ADDED	VENILA	20.04.2016	MATERIAL & FINISH					
A2		I <sup>2</sup> VALUE AND TIME-CURRENT CHAR. CURVE ADDED	MADHU	25.07.2018	PLASTIC BODY - PA66, UL94-V0, ZINC ELEMENT					
A3		ELECTRICAL DATASHEET DETAILS UPDATED	GEETHA	10.06.2019	Tin PLATED					
A4		CHAMFER DIMENSIONS, NOTE 2 & 3 ADDED.	AKSHAY	17.01.2020	DRAWN BY : SACHIN					

DESC : MINI BLADE FUSE, RoHS

Part No. PTF 300 Im

REV. A4



TIME-CURRENT CHARACTERISTICS CURVES

REV.	ZONE	DESCRIPTION	DRG REV BY	DATE	DOCUMENT CODE :	4D PTF300 01	ALL DIMENSIONS ARE IN MM. IF UNLESS OTHERWISE SPECIFIED.
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MATERIAL & FINISH  
PLASTIC BODY - PA66,  
UL94-V0, ZINC ELEMENT  
Tin PLATED

HEAT TREATMENT  
ENG APP'D :

Gen. Tol.  
±0.1mm  
F0.2

Surface 1.9  
Finish Ra V  
Scale: NTS  
Sht. Size: A4

DRAWN BY : SACHIN  
DATE : 29.01.2013

APP'D BY : *[Signature]*  
DATE :



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DWG according to STD. Sheet: 2 OF 2

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Bangalore, INDIA.