

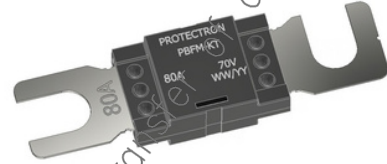


PROTECTRON[®]
ELECTROMECH (P) LTD

DESCRIPTION : MEGA BOLT DOWN FUSE, 70V

PART NO: PBFM-KT4-In
(REFER TABLE)

APPROVALS:



MATERIAL AND FINISH

TOP HOUSING : PPA, 30% GLASS FILLED UL94-V0
BOTTOM HOUSING : PPA, 30% GLASS FILLED UL94-V0
STRIP : COPPER, Sn PLATED/ PRE- Sn PLATED

ELECTRICAL DATA

VOLTAGE RATING : 70V-DC
INTERRUPTING RATING : 2500A @ 70V DC

REFERENCE STANDARD : ISO 20934

ENVIRONMENTAL DATA

OPERATING TEMPERATURE : -40°C to +120°C

PACKING DETAILS : TRAY PACKING (70No's/TRAY)

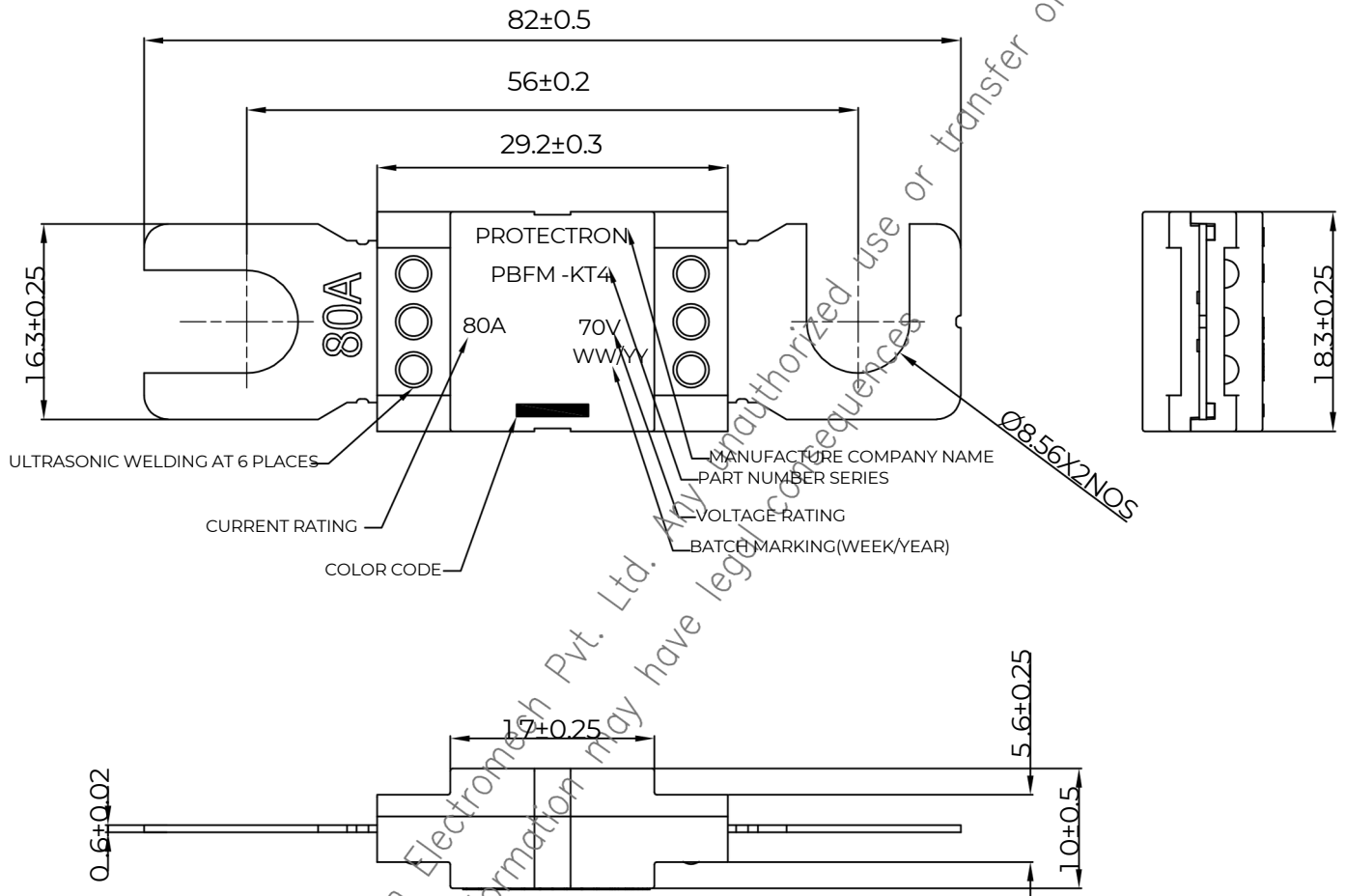
MOUNTING TORQUE M8 : 20Nm $\pm$ 1Nm (TO BE TIGHTENED/MOUNTED WITH
DIGITAL TORQUE-WRENCH)



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NOTE:

- 1.LASER MARKING WILL BE ON ONE SIDE OF THE HOUSING.
- 2.MARKING SHOWN IS TYPICAL, THE POSITION & SIZE OF VARIOUS MARKING ARE SUBJECT TO CHANGE AT THE MANUFACTURE'S DISCRETION.
- 3.In - NOMINAL CURRENT RATING.
4. THE FUSE CHARACTERISTICS MAY CHANGE DEPENDING ON THE CONDITIONS OF USE(AMBIENT TEMPERATURE, CABLE SIZE/ CONNECTION, FUSE HOLDER/MOUNTING, ELECTRICAL CONNECTIONS AND PROSPECTIVE FAULT CURRENT).

Projection:



Scale: NTS

Sht. Size: A4

Gen. Tol.: ±0.15mm
±2°

ALL DIMENSIONS ARE IN MM.
IF UNLESS OTHERWISE SPECIFIED.

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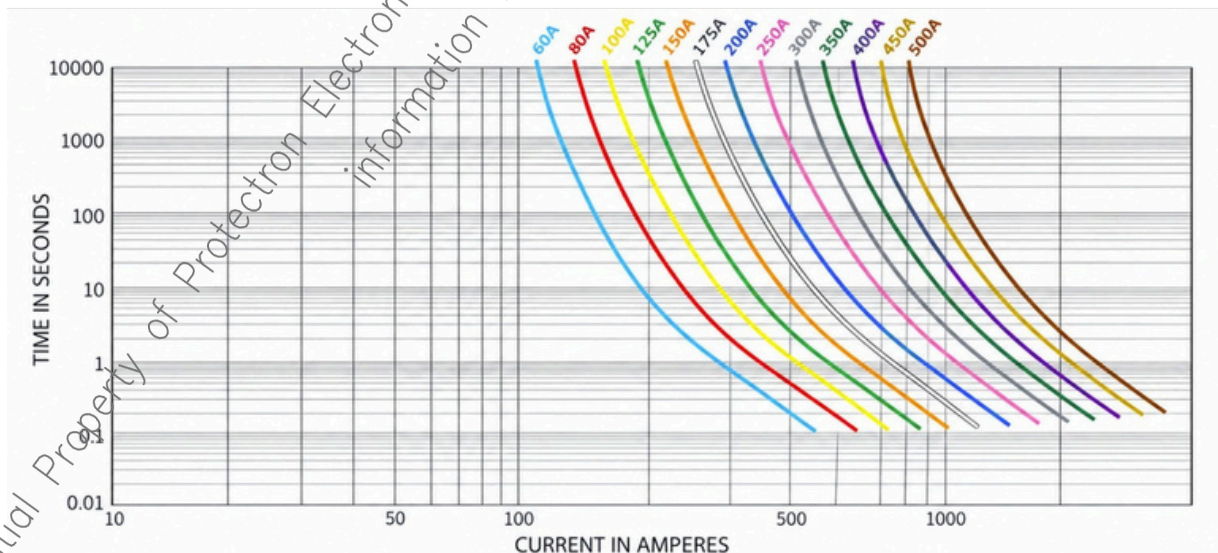
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PRODUCT DETAILS & PART NUMBER

PART NUMBERS	CURRENT RATING(In)	CABLE SIZE AS PER ISO 20934	COLOR CODE MARKING	TYP. COLD RESISTANCE
PBFM-KT4-60A	60A	6 mm ²	LIGHT BLUE	1.065 mΩ
PBFM-KT4-80A	80A	10 mm ²	DARK RED	0.735 mΩ
PBFM-KT4-100A	100A	10 mm ²	YELLOW	0.575 mΩ
PBFM-KT4-125A	125A	16 mm ²	GREEN	0.445 mΩ
PBFM-KT4-150A	150A	25 mm ²	ORANGE	0.385 mΩ
PBFM-KT4-175A	175A	25 mm ²	WHITE	0.345 mΩ
PBFM-KT4-200A	200A	35 mm ²	BLUE	0.270 mΩ
PBFM-KT4-250A	250A	50 mm ²	PINK	0.225 mΩ
PBFM-KT4-300A	300A	50 mm ²	DARK GREY	0.180 mΩ
PBFM-KT4-350A	350A	50 mm ²	DARK GREEN	0.165 mΩ
PBFM-KT4-400A	400A	70 mm ²	VOILET	0.175 mΩ
PBFM-KT4-450A	450A	70 mm ²	LIGHT ORANGE	0.140 mΩ
PBFM-KT4-500A	500A	70 mm ²	DARK BROWN	0.125 mΩ

TIME-CURRENT CHARACTERISTIC CURVE



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TIME-CURRENT CHARACTERISTICS[60A-250A]

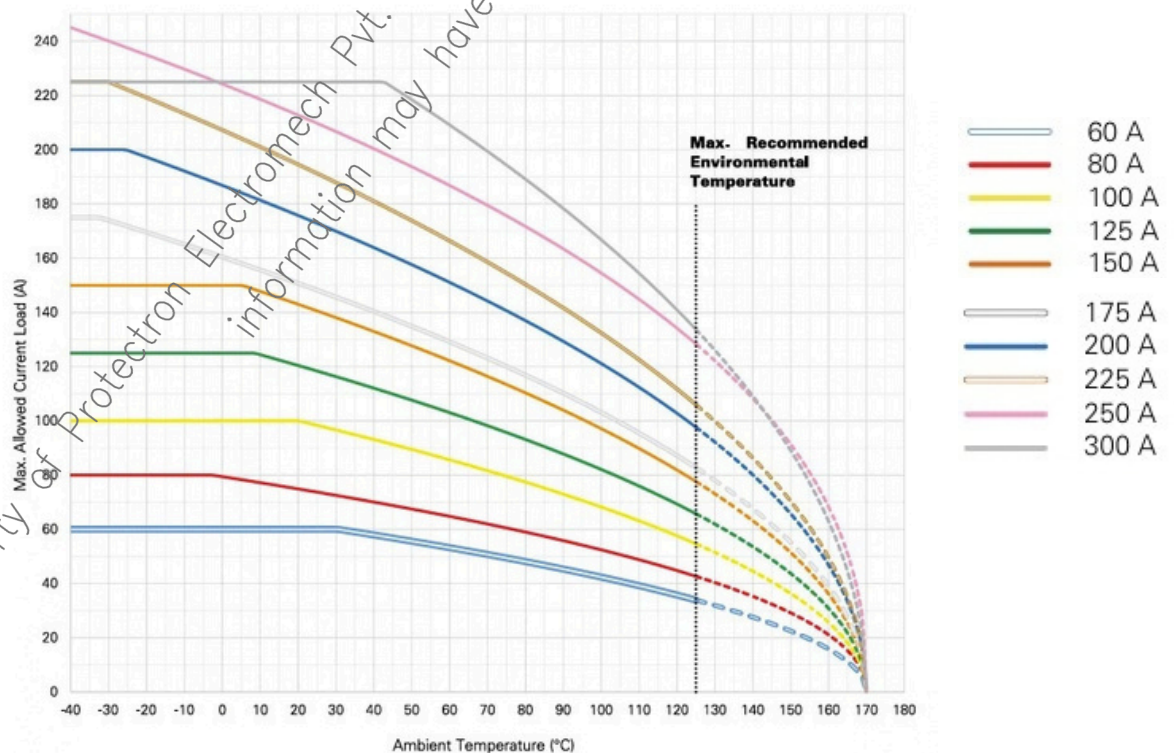
% of Ampere Rating (A)	Operating Time	
	MIN	MAX
100%	4 hrs.	-
135%	120 sec.	1800 sec.
150%	20 sec.	450 sec.
200%	1 sec.	15 sec.
350%	0.3 sec.	5 sec.
600%	0.1 sec.	1 sec.

TIME-CURRENT CHARACTERISTICS[300A-500A]

% of Ampere Rating (A)	Operating Time	
	MIN	MAX
75%	4 hrs.	-
200%	1 sec.	15 sec.
350%	0.5 sec.	5 sec.

TYPICAL DERATING OF FUSE MELTING

Temperature security margin is 20%.



Projection:



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Gen. Tol.: $\pm 0.15\text{mm}$
 $\pm 2^\circ$

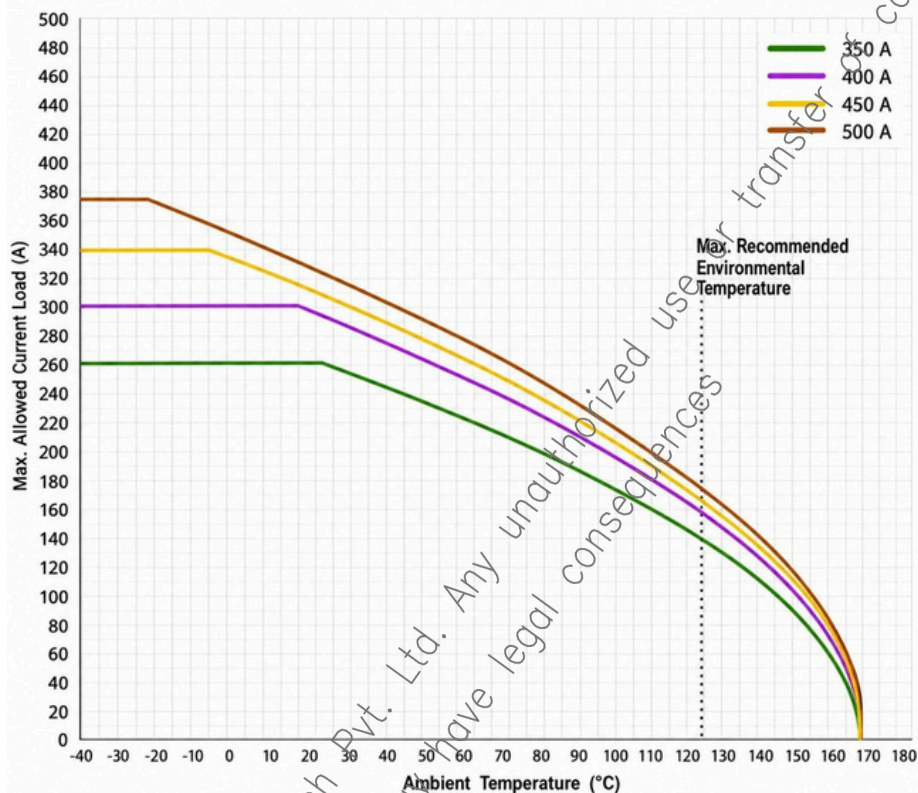
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NOTE:

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MOQ- AS SPECIFIED

SPQ- AS SPECIFIED

ORDERING INFORMATION

PBFM-KT4-In
(REFER TABLE)

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 $\pm 2^\circ$

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