

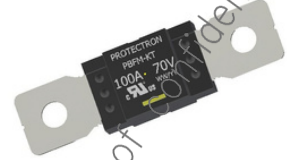


PROTECTRON[®]
ELECTROMECH (P) LTD

DESCRIPTION : MEGA BOLT DOWN FUSE, 70V

PART NO: PBFM-KT-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/UL 248-1

ENVIRONMENTAL DATA

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

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

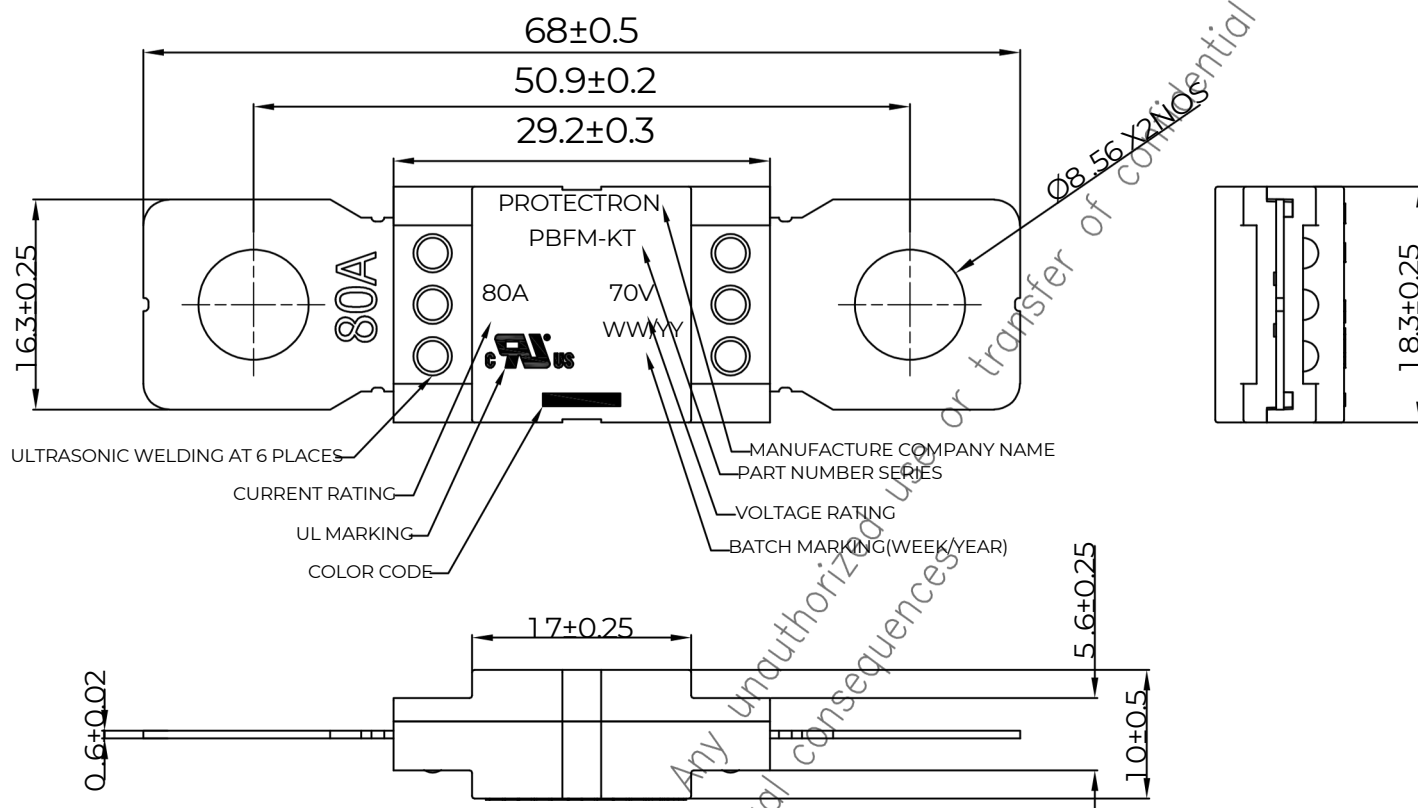
MOUNTING TORQUE M8 : 20Nm $\pm$ 1Nm (TO BE TIGHTENED/MOUNTED WITH DIGITAL TORQUE-WRENCH)

FUSE HOLDER DATA

P803C-02 : MEGA BOLT DOWN FUSE HOLDER WITHOUT COVER
P803C-03 : MEGA BOLT DOWN FUSE HOLDER WITH COVER

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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

PRODUCT DETAILS & PART NUMBER

PART NUMBERS	CURRENT RATING(In)	CABLE SIZE AS PER ISO 20934	COLOR CODE MARKING	TYP, COLD RESISTANCE	TYP, VOLTAGE DROP (mV)	TYP, I ² T (A ² SEC)
PBFM-KT-60A	60A	6 mm ²	LIGHT BLUE	1.065 mΩ	85	18500
PBFM-KT-80A	80A	10 mm ²	DARK RED	0.735 mΩ	70	60000
PBFM-KT-100A	100A	10 mm ²	YELLOW	0.575 mΩ	65	90000
PBFM-KT-125A	125A	16 mm ²	GREEN	0.445 mΩ	68	120000
PBFM-KT-150A	150A	25 mm ²	ORANGE	0.385 mΩ	71	140000
PBFM-KT-175A	175A	25 mm ²	WHITE	0.345 mΩ	70	190000
PBFM-KT-200A	200A	35 mm ²	BLUE	0.270 mΩ	60	250000
PBFM-KT-250A	250A	50 mm ²	PINK	0.225 mΩ	62	590000
PBFM-KT-300A	300A	50 mm ²	DARK GREY	0.180 mΩ	58	1200000
PBFM-KT-350A	350A	50 mm ²	DARK GREEN	0.165 mΩ	48	1350000

Projection:



Scale: NTS

Sht. Size: A4

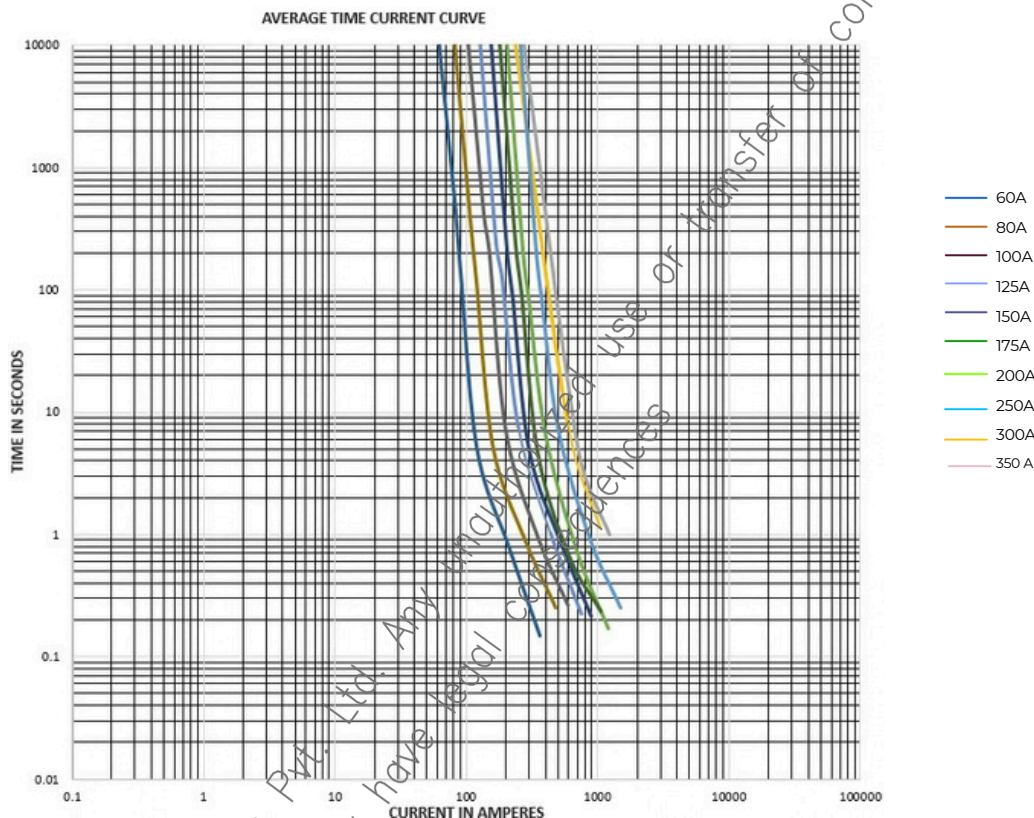
Gen. Tol.: ±0.15mm
±2'

ALL DIMENSIONS ARE IN MM.
IF UNLESS OTHERWISE SPECIFIED.

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TIME-CURRENT CHARACTERISTIC CURVE



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 & 350A]

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

Projection:



Scale: NTS

Sht. Size: A4

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

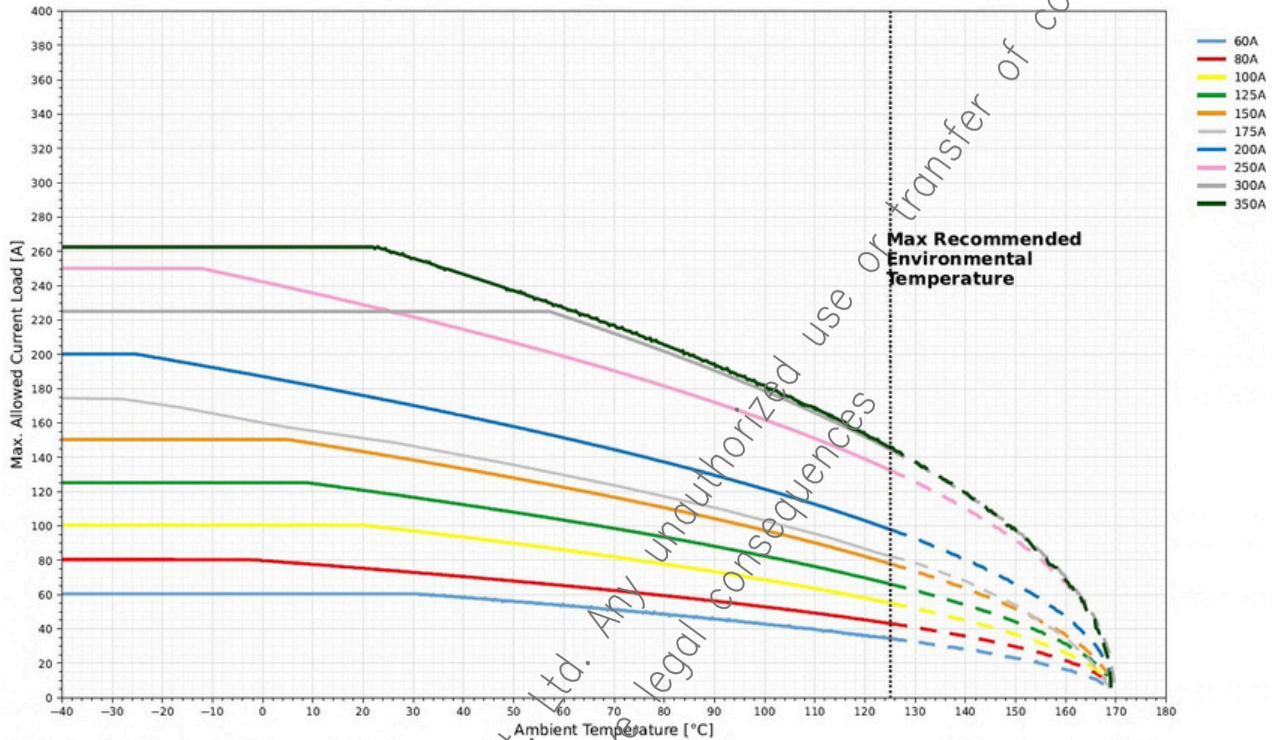
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TYPICAL DERATING OF FUSE MELTING

Temperature security margin is 20%.



NOTE:

1.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).

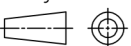
MOQ- AS SPECIFIED

SPQ- AS SPECIFIED

ORDERING INFORMATION

PBFM-KT-In
(REFER TABLE)

Projection:



Scale: NTS

Sht. Size: A4

Gen. Tol.: ±0.15mm
±2°

ALL DIMENSIONS ARE IN MM.
IF UNLESS OTHERWISE SPECIFIED.