



PROTECTRON[®]
ELECTROMECH (P) LTD

DESCRIPTION : HIGH VOLTAGE AUTOMOTIVE FUSE WITH BOLT
DOWN TYPE $\varnothing 20.0\text{mm}$ MAX

PART NO: PEVFC 100 In
(REFER TABLE)



RoHS



ELECTRICAL PARAMETERS:

RATED VOLTAGE : DC 450V
INTERRUPTING RATING FOR 100A & 125A : 2000A @ 450V DC
INTERRUPTING RATING FOR 150A TO 250A : 1500A @ 450V DC
OPERATING TEMPERATURE RANGE : -40°C TO $+85^{\circ}\text{C}$

MATERIAL AND FINISH

BODY : CERAMIC TUBE
ELEMENT : COPPER,SILVER PLATED
BOLTING TAB : COPPER,TIN PLATED
CAP : COPPER,TIN PLATED
COMPLIES WITH : ISO 8820-8

PACKING DETAILS:

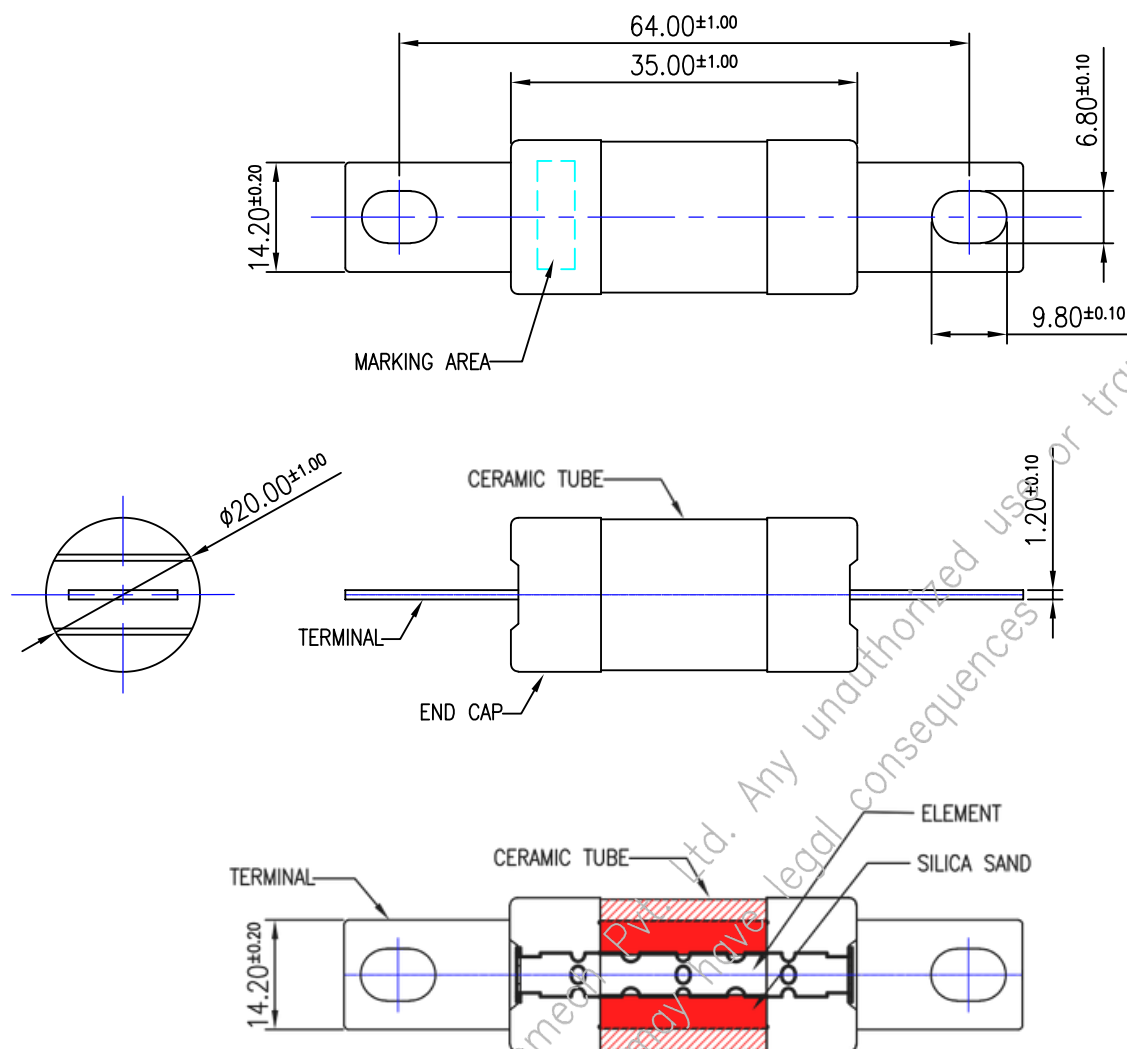
STANDARD : 50 OR 100 No's BOX PACKING
CUSTOMIZED PACKING IS AVAILABLE BASED ON REQUEST



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MARKINGS ON THE INSULATOR SHOULD BE AS FOLLOWS:-

'AMPERAGE', 'VOLTAGE RATING' 'INTERRUPTING RATING'

AND 'PROTECTRON' (MANUFACTURER)

In-NOMINAL CURRENT RATING

PART NUMBERS	CURRENT RATING (A)	BOLT SIZE	DIAMETER	TYPICAL VOLTAGE DROP @ 50% RATED CURRENT (mV)	TYPICAL COLD RESISTANCE (mΩ)
PEVFC 100 100A	100A	M6	$\phi 20.00$	40.5 mV	0.87
PEVFC 100 125A	125A			41.5 mV	0.68
PEVFC 100 150A	150A			43.5 mV	0.58
PEVFC 100 200A	200A			45.5 mV	0.35
PEVFC 100 250A	250A			59.5 mV	0.31

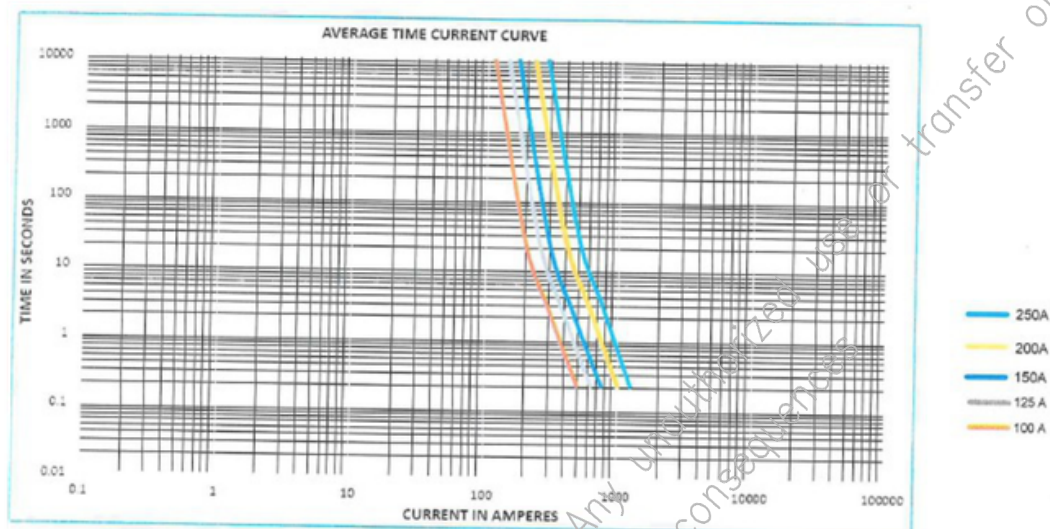


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TIME-CURRENT CHARACTERISTIC CURVE



ELECTRICAL CHARACTERISTICS:-

% OF AMPERE RATING	AMPERE RATING	OPENING TIME
110%	100-250A	04 Hours Min.
200%		01sec Min 300sec Max.
300%		0.20sec Min 30sec, Max.
500%		0.05sec Min 01sec, Max.

Projection:



Scale: NTS

Sht. Size: A4

Gen. Tol.: $\pm 0.25\text{mm}$
 $\pm 2^\circ$

ALL DIMENSIONS ARE IN MM.
IF UNLESS OTHERWISE SPECIFIED.