



# PROTECTRON ELECTROMECH (P) LTD

DESCRIPTION : SURFACE MOUNT CHIP FUSES

PART NO: PSM12 SERIES  
(REFER TABLE)

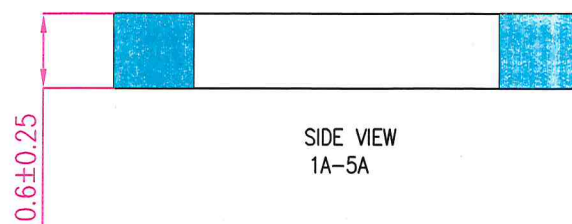
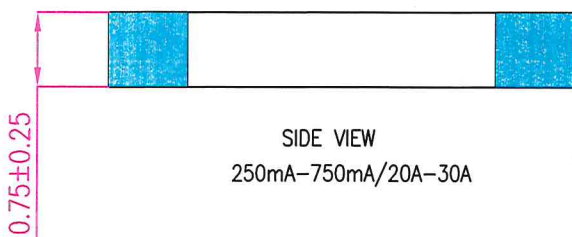
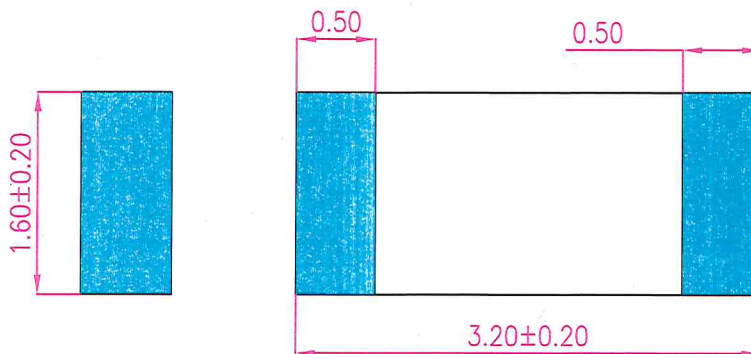
RoHS



## 1. FEATURES

- (a) Rapid interruption of excessive current
- (b) Compatible with reflow and wave solder
- (c) Ceramic and glass construction
- (d) One time positive disconnect
- (e) Lead free and Halogen free material

## 2. PRODUCTION DIMENSIONS (MILLIMETER):



NOTE : Specification subject to change without notice.



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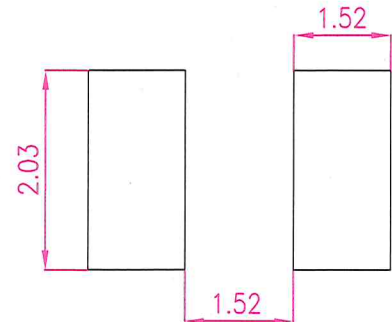
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### 3. TIME-CURRENT CHARACTERISTICS:

NOMINAL CURRENT (In)	1In MIN	2.5In MAX	3.5In MAX
250mA-5A	4 HOURS	5 SEC	-
7A-30A	4 HOURS	-	5 sec

### 5. PAD LAYOUT



### 4. ELECTRICAL CHARACTERISTICS

RATED CURRENT	RATED VOLTAGE	BREAKING CAPACITY	TYPICAL COLD RESISTANCE (OHMS)	TYPICAL VOLTAGE DROP (mV)	TYPICAL PRE-ARCING I <sup>2</sup> t(A2SEC) DC
0.25A	72/63/32/24V	50A	3608	1407	0.0004
0.375A	72/63/32/24V	50A	1882	718	0.0008
0.50A	72/63/32/24V	50A	1028	650	0.0022
0.75A	72/63/32/24V	50A	601	616	0.0057
1A	72/63/32/24V	50A	490	510	0.10
1.5A	72/63/32/24V	50A	240	367	0.15
2A	72/63/32/24V	50A	144	316	0.41
2.5A	72/63/32/24V	50A	86	240	0.65
3A	72/63/32/24V	50A	53	187	1.39
3.5A	72/63/32/24V	50A	40	180	1.68
4A	72/63/32/24V	50A	35	173	1.73
4.5A	32/24V	150A	30	164	2.62
5A	32/24V	150A	25	141	2.89
7A	32/24V	150A	12	140	12.5
8A	32/24V	150A	8.5	110	14.0
10A	32/24V	150A	6.8	100	20.0
12A	32/24V	150A	5.0	85	21.5
15A	32/24V	150A	3.9	78	26.5
20A	32/24V	150A	1.8	60	47.17
25A	32/24V	150A	1.6	90	60
30A	32/24V	150A	1.3	90	100
40A	32/24V	150A	0.85	90	60
50A	32/24V	150A	0.70	90	100

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A1	DATASHEET UPDATED	SWATHI H	24.12.2022	<i>Swathi H</i>	<i>Swathi H</i>
A	ORIGINAL	BASAVARAJ	29.01.2019		
REV.	DESCRIPTION	DRN. BY	DATE	CK'ED BY	APP'D BY



Scale: NTS

Sht. Size: A4

Gen. Tol.: ±0.25mm ±1°

ALL DIMENSIONS ARE IN MM.  
IF UNLESS OTHERWISE SPECIFIED.