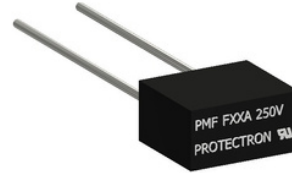




DESCRIPTION: RADIAL LEAD MICRO FUSES FAST ACTING

PART NO: PMF IN

APPROVALS:



PHYSICAL DATA

MATERIAL

BASE AND CAP : PA66, UL 94-V0. BLACK COLOR

ROUND PINS : COPPER, TIN PLATED

PACKAGING TYPE

IN BULK : 1000 pcs per box

ON TAPE : Ammo Pack, 1000pcs box

ELECTRICAL DATA

RATED CURRENT : 50mA ~ 10A

RATED VOLTAGE : 250V AC

LOADING CAPACITY : 1.5In FOR 1 HOUR Minimum

INTERRUPT RATING : 35A or 10 times the rated current whichever is greater at 250V AC

MECHANICAL PROPERTIES

TENSILE TEST : 3Kg

THRUST TEST : 2N

BENDING TEST : NO DAMAGE ARE TO BE VISUALIZED AFTER TWO BENDS OF OPPOSITE DIRECTIONS OF LEAD



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SURGE TEST :

IN ORDER TO STAND TRANSIENT CURRENT CAUSED BY INDUCTIVE OR CAPACITIVE, THE FUSES ARE DESIGNED TO HAVE MINIMUM CLEARING TIME OF MILLISECOND AT 1000% RATED CURRENT

20msec (50mA ~ 5A)

20msec (6.3A ~ 10A)

ENDURANCE TEST :

LOADING 100% RATED CURRENT, 1hour ON, 15minutes OFF. KEEP 100cycles.

FOLLOWED BY 1hour at 1.5 TIMES THE RATED CURRENT.

THE VOLTAGE DROP ACROSS THE FUSE-LINK AFTER THE TEST SHALL NOT HAVE INCREASED BY MORE THAN 10% OF THE ORIGINAL VALUE MEASURED BEFORE THE TEST.

DERATING TEST :

IN AN AIR CIRCULATING OVEN AT 70°C, THE FUSES CAN LOAD 100% RATED CURRENT FOR 1hour AND THEY SHALL NOT OPERATE.

SOLDERING PROCESS PARAMETER :

WAVE SOLDERING

PRE – HEAT TEMPERATURE : 100°C ~ 160°C
PRE – HEAT TIME : 60sec ~ 180sec
SOLDER TEMPERATURE : 260°C Max
DWELL TIME : 2sec ~ 5sec

RE-FLOW SOLDERING

PRE – HEAT TEMPERATURE : 140°C ~ 165°C
PRE – HEAT TIME : 90sec ~ 120sec
PEAK TEMPERATURE : 250°C Max
SOLDERING TIME > 200°C : 30sec

MANUAL SOLDERING

SOLDER IRON TEMPERATURE : 350°C ± 5°C
HEATING TIME : 5sec Max



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HUMIDITY UNLOAD TEST :

MIL – STD – 202G, METHOD 103B, TEST CONDITION A
HEAT (40±0.5°C) & HIGH HUMIDITY (95±1% RH), 240hours,ΔR<15%

THERMAL SHOCK TEST :

MIL-STD-202G, METHOD 107g, TEST CONDITION B
TEMPERATURE SETUP : 25°C ~ -65°C ~ 25°C ~125°C
TIME SETUP : -65°C(30min) ~ 25°C(5min) ~ 125°C(30min) ~ 25°C(5min)
5CYCLES,ΔR<15%

VIBRATION TEST :

MIL-STD-202G, METHOD 201A
FREQUENCY SETUP : 10 ~ 55 ~ 10Hz
TIME SETUP : 1 Minute/Cycle (X-Y-X,120cycles)
6hrs,ΔR<15%

SALT SPRAY TEST :

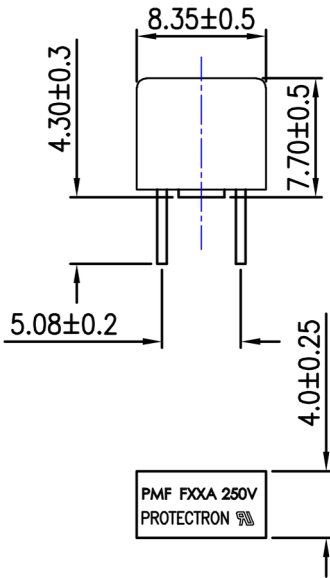
MIL-STD-202G, METHOD 101E, TEST CONDITION A
SALT SPRAY CONCENTRATION : 5±1%
TEST LIQUID TEMPERATURE : 35±0.5°C
96hrs,ΔR<15%



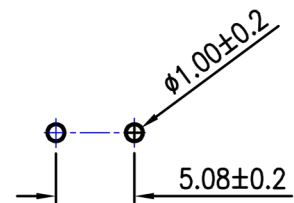
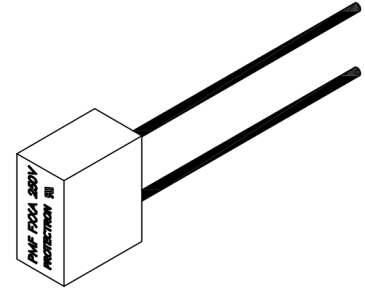
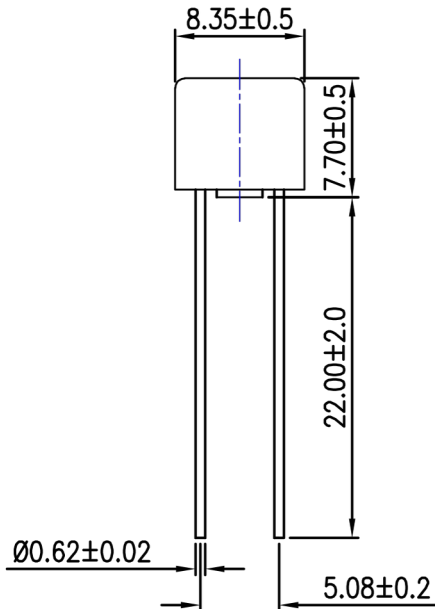
DESCRIPTION: RADIAL LEAD MICRO FUSES FAST ACTING

PART NO: PMF IN

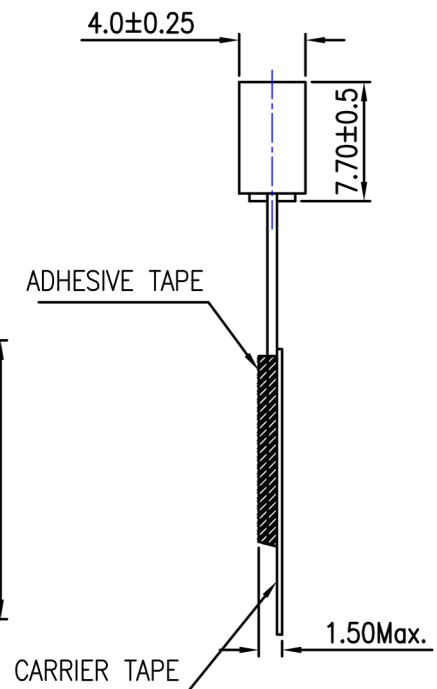
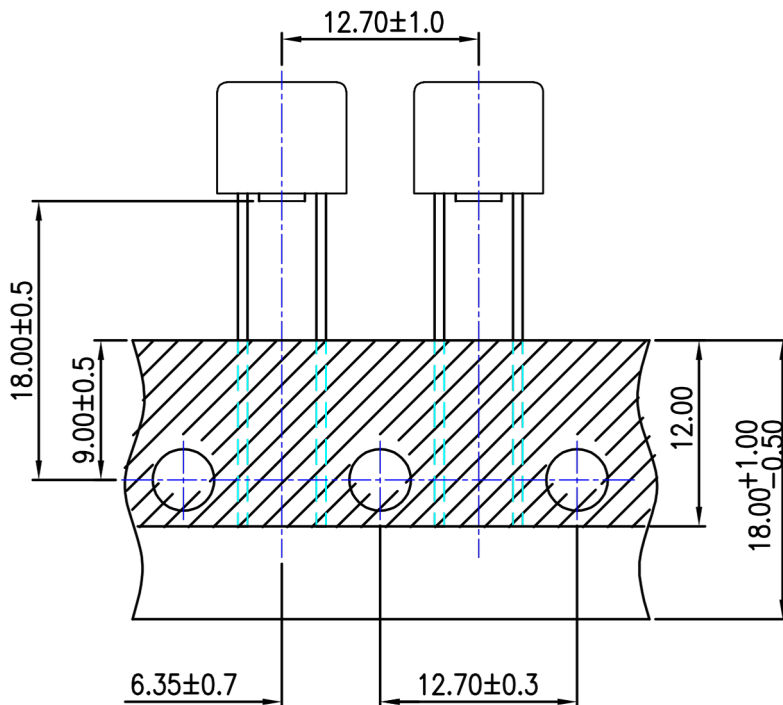
SHORT LEADS



LONG LEADS



MOUNTING HOLES



Projection:



Scale: NTS

Sht. Size: A4

Gen. Tol.: ±0.25mm
±2'

ALL DIMENSIONS ARE IN MM.
IF UNLESS OTHERWISE SPECIFIED.



DESCRIPTION: RADIAL LEAD MICRO FUSES FAST ACTING

PART NO: PMF IN

ELECTRICAL CHARACTERISTIC

| RATED CURRENT | 1.5 In | 2.1 In | 2.75 In | | 4 In | | 10 In |
|---------------|--------|--------|---------|-------|------|--------|-------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MAX |
| 50mA~5A | 60 min | 30 min | 10 ms | 3 sec | 3 ms | 300 ms | 20 ms |
| 6.3A | 60 min | 30 min | 10 ms | 5 sec | 3 ms | 300 ms | 20 ms |

FAST ACTING FUSES TYPE PMF

| PROTECTRON PART NUMBERS | Ampere Rating (In) | Voltage Rating (V) |
|-------------------------|--------------------|--------------------|
| PMF 0.63A | 630mA | 250V |
| PMF 0.8A | 800mA | |
| PMF 1A | 1A | |
| PMF 1.25A | 1.25A | |
| PMF 1.6A | 1.6A | |
| PMF 2A | 2A | |
| PMF 2.5A | 2.5A | |
| PMF 3.15A | 3.15A | |
| PMF 4A | 4A | |
| PMF 5A | 5A | |
| PMF 6.3A | 6.3A | |

ORDERING INFORMATION

PMF SERIES

Projection:



Scale: NTS

Sht. Size: A4

Gen. Tol.: ±0.25mm
±2'

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IF UNLESS OTHERWISE SPECIFIED.