

Metal Hybrid PPTC

Devices

Overtemperature Protection Device

PRODUCT: MHP-TAM15-9-72

DOCUMENT: SCD28768 REV LETTER: F REV DATE: JULY 26, 2016 PAGE NO.: 1 OF 2

Specification Status: Released

Electrical Rating

| Contact Rating Contact Breaking Current | | Minimum Hold Voltage | Maximum Leakage Current | |
|---|--------------------------|----------------------------|-------------------------------|--|
| DC9V/25A (6000 cycles) | DC5V/80A (100 cycles) | 3V | 200mA | |

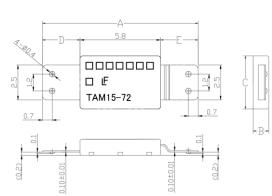
Leads: Copper based alloy Case: LCP

Marking:

Lot Identification

• □ □ □ - Control Number, Company logo

•TAM15-72 - Part Name



Notes:

Unspecified dimensions, tolerance should be +/-0.1mm Dimensions in brackets are for reference

TABLE I. DIMENSIONS:

| | Α | | В | С | | D | | E | |
|-----|------|------|------|------|------|-----|-----|-----|-----|
| | MIN | MAX | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | 10.9 | 11.4 | 1.15 | 3.75 | 3.85 | 2.6 | 2.8 | 2.6 | 2.8 |

TABLE II. PERFORMANCE RATINGS:

| - | PERATIO MPERATU | | RESET TEMPERATURE | | RESISTANCE | | HOLD CURRENT | |
|-----|--------------------|-----|----------------------|--------------|--------------|-----|---------------|---------------|
| | °C | | °C | | mohms @ 25°C | | Amp @ 25°C | Amp @ 60°C |
| MIN | TYP | MAX | MIN | ΔT^1 | TYP | MAX | MIN | MIN |
| 67 | 72 | 77 | ≥40 | ≥7 | 2.5 | 5 | 15 | 5 |

¹ △T is the minimum temperature differential between the actual operation temperature of the device and the reset temperature



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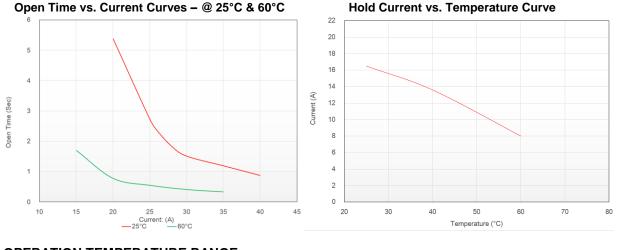
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ELECTRICAL PERFORMANCE (Typical):



OPERATION TEMPERATURE RANGE

-30~100°C

| Agency Recognitions: | UL, cUL: E349829, CB |
|----------------------|--|
| Reference Documents: | PS300 |
| Precedence: | This specification takes precedence over documents referenced herein. |
| Effectivity: | Reference documents shall be the issue in effect on the date of invitation for bid |

CAUTION

Please refer to the MHP-TAM series device usage guidelines. Using the products outside the recommended guidelines may result in device damage. Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

Materials Information



*Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.

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