Metal Hybrid PPTC Devices

Overtemperature Protection Device

PRODUCT: MHP-TAM6-9-82

DOCUMENT: SCD28760
REV LETTER: F
REV DATE: JULY 26, 2016

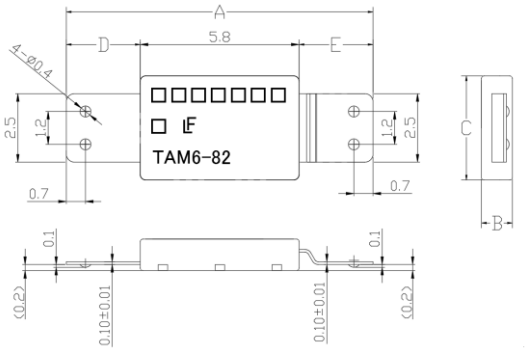
Specification Status: Released

Electrical Rating

Contact Rating	Maximum Breaking Current	Minimum Hold Voltage	Maximum Leakage Current
DC9V/12A (6000 cycles)	DC5V/40A (100 cycles)	2V	200mA

Leads: Copper based alloy
Case: LCP

Marking:
- □□□□□□□ - Lot Identification
- □ □□ – Control Number, Company logo
- TAM6-82 - Part Name



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

TABLE I. DIMENSIONS:

	A		B	C		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:

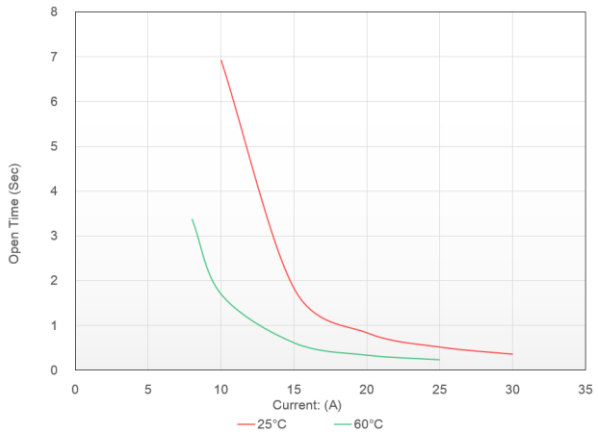
OPERATION TEMPERATURE			RESET TEMPERATURE		RESISTANCE		HOLD CURRENT	
°C			°C		mohms @ 25°C		Amp @ 25°C	Amp @ 70°C
MIN	TYP	MAX	MIN	△T[1]	TYP	MAX	MIN	MIN
77	82	87	≥40	≥10	10	15	6	2

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

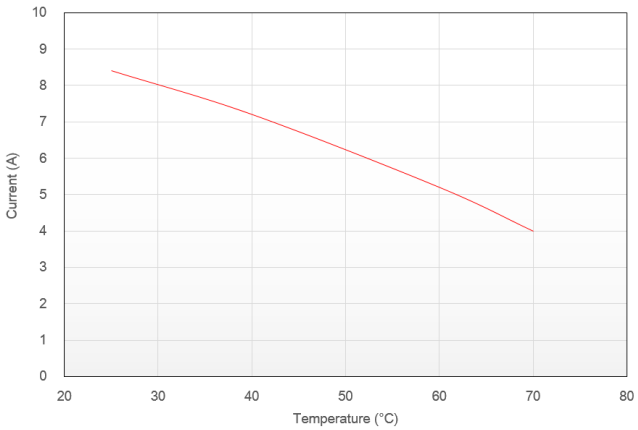
© 2016 Littelfuse,Inc
Specifications are subject to change without notice.

ELECTRICAL PERFORMANCE (Typical):

Open Time vs. Current Curves – @ 25°C & 60°C



Hold Current vs. Temperature Curve



OPERATION TEMPERATURE RANGE

-30～100℃

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

ROHS Compliant	ELV Compliant	Pb-Free	Halogen Free*
Directive 2002/95/EC Compliant	Directive 2000/53/EC Compliant	Pb	HF

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

Littelfuse products are not designed for, and shall not be used for, any purpose (including, without limitation, automotive, military, aerospace, medical, life-saving, life-sustaining, nuclear facility applications, devices intended for surgical implant into the body, or any other application in which the failure or lack of desired operation of the product may result in personal injury, death, or property damage) other than those expressly set forth in applicable Littelfuse product documentation. Warranties granted by Littelfuse shall be deemed void for products used for any purpose not expressly set forth in applicable Littelfuse documentation. Littelfuse shall not be liable for any claims or damages arising out of products used in applications not expressly intended by Littelfuse as set forth in applicable Littelfuse documentation. The sale and use of Littelfuse products is subject to Littelfuse Terms and Conditions of Sale, unless otherwise agreed by Littelfuse.