

Metal Hybrid PPTC

Devices

Overtemperature Protection Device

PRODUCT: MHP-TAT18-9-85

DOCUMENT: SCD29157 REV LETTER: C REV DATE: FEBRUARY 15, 2019 PAGE NO.: 1 OF 2

Specification Status: Released

Typical Electrical Rating

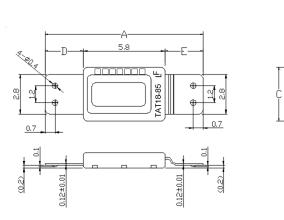
Contact Rating: DC9V/30A (6000 cycles) Maximum breaking current: DC5V/80A (100 cycles) Maximum DC open voltage: DC28V/30A (100 cycles) Minimum hold voltage: 3V Maximum leakage current: 200mA

Leads: Copper based alloy Case: LCP

Marking:

- Lot Identification
- ·LF- Company logo

•TAT18-85 - Part Name



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

TABLE I. DIMENSIONS:

	A		В		C		D		E			
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX		
mm:	10.9	11.5	1.05	1.15	3.75	3.85	2.6	2.8	2.6	2.8		

TABLE II. PERFORMANCE RATINGS:

OPERATION TEMPERATURE			RESE TEMPERA	-	COLD RESISTANCE	HOLD CURRENT	
°C			°C		mohms @ 25°C	Amp @ 25°C	Amp @ 60°C
MIN	TYP	MAX	MIN	ΔT^1	MAX	MIN	MIN
80	85	90	≥40	≥10	2.5	18	12

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



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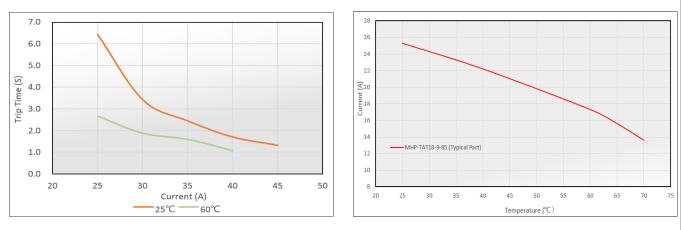
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ELECTRICAL PERFORMANCE (Typical):

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





* The current vs. temperature curve was derived from placing test samples in an oven at 25°C, 40°C,60°C, 65°C, 70°C, increasing current flow through the sample at a rate of 0.1 A/minute and recording the current value when the sample trips

OPERATION TEMPERATURE RANGE

Agency Recognitions:UL, cUL: E349829, CBPrecedence: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-TAT 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.



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

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