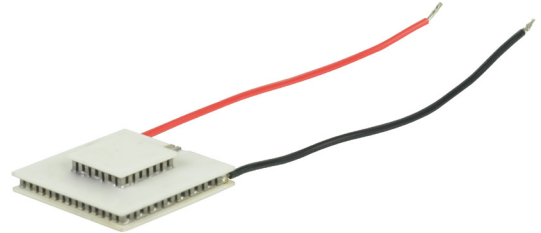


**SERIES:** CP28-2 | **DESCRIPTION:** PELTIER MODULE**FEATURES**

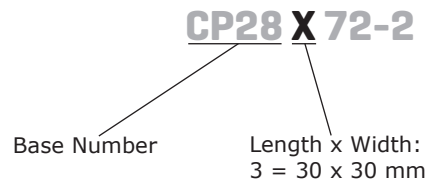
- solid state device
- 2-stage cooler
- precise temperature control
- quiet operation

**MODEL**

MODEL	input voltage <sup>1</sup> max (Vdc)	input current <sup>2</sup> max (A)	output Qmax <sup>3</sup>		output ΔTmax <sup>4</sup>	
			T <sub>n</sub> =27°C (W)	T <sub>n</sub> =50°C (W)	T <sub>n</sub> =27°C (°C)	T <sub>n</sub> =50°C (°C)
CP28372-2	15.7	2.8	8.7	9.6	95	105

Notes:

1. Maximum voltage at ΔT max and T<sub>n</sub>=27°C
2. Maximum current to achieve ΔT max
3. Maximum heat absorbed at cold side occurs at I<sub>max</sub>, V<sub>max</sub>, and ΔT=0°C
4. Maximum temperature difference occurs at I<sub>max</sub>, V<sub>max</sub>, and Q=0W (ΔT max measured in a vacuum at 1.3 Pa)

**PART NUMBER KEY**

## SPECIFICATIONS

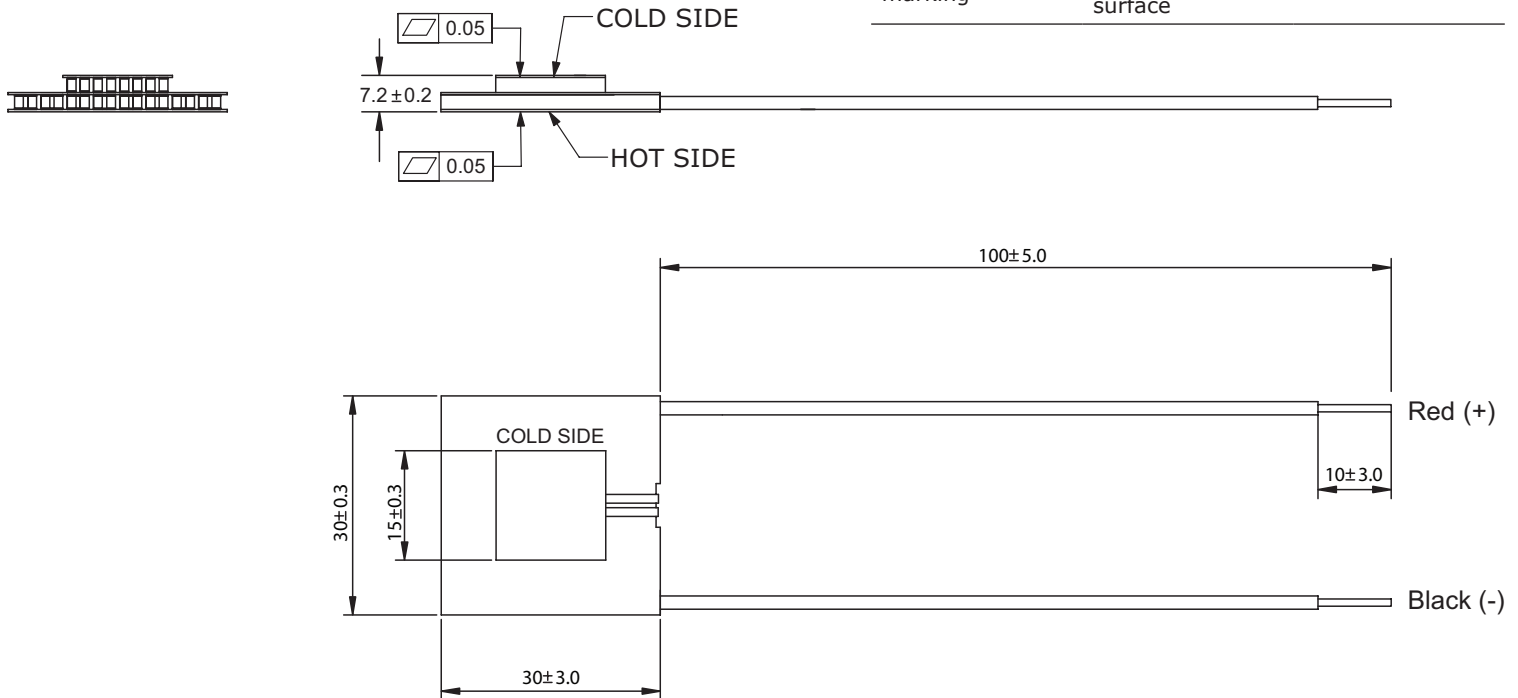
parameter	conditions/description	min	typ	max	units
internal resistance <sup>1</sup>		4.5	5.0	5.5	Ω
solder melting temperature	connection between thermoelectric pairs	138			°C
assembly compression				1	MPa
hot side plate				80	°C
RoHS	yes				

Note: 1. Measured by AC 4-terminal method at 25°C

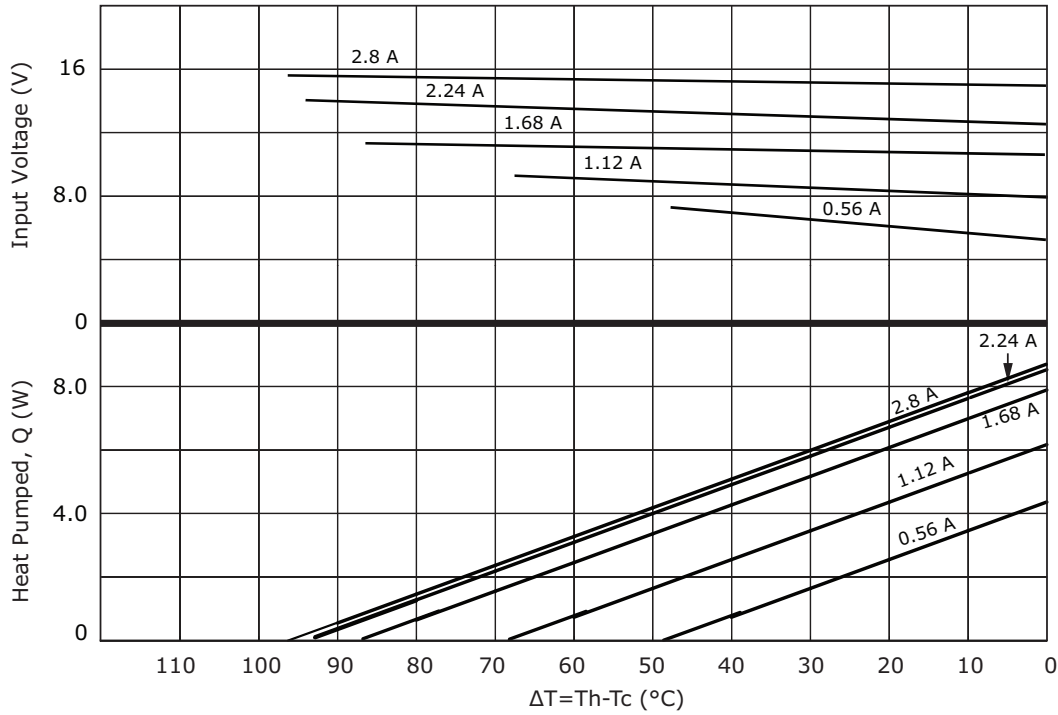
## MECHANICAL DRAWING

units: mm

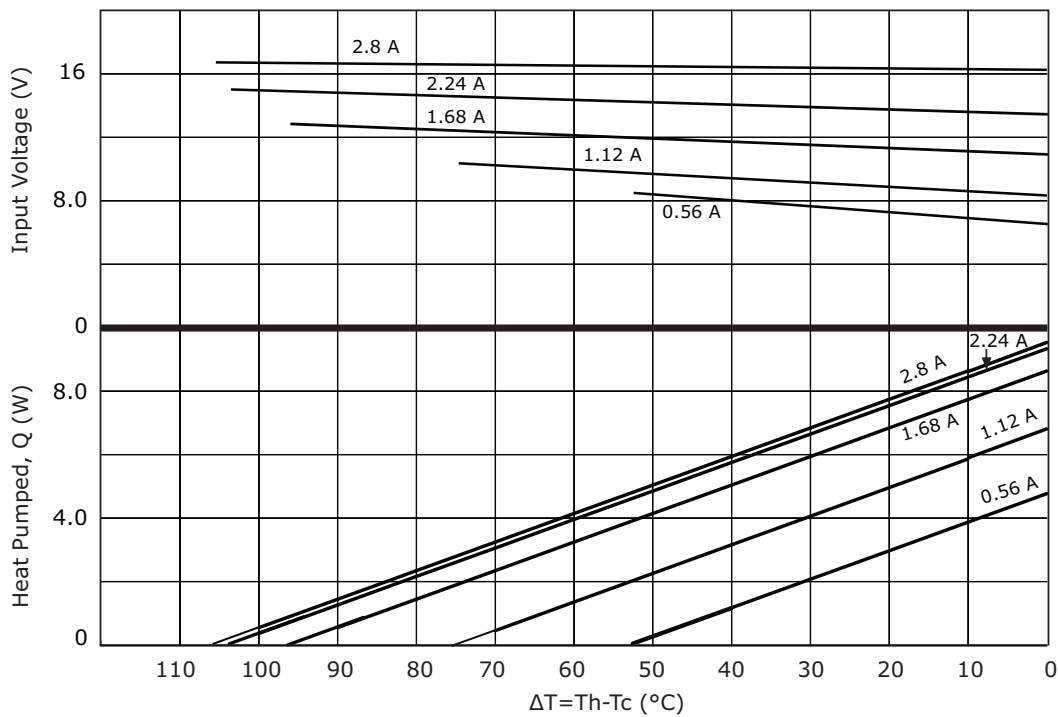
	MATERIAL	PLATING
ceramic plate	96% AL <sub>2</sub> O <sub>3</sub>	
wire leads	22 AWG	tin
sealer	no sealer	
marking	P/N & S/N printed on cold side surface	



## PERFORMANCE (Th=27°C)



## PERFORMANCE (Th=50°C)



## REVISION HISTORY

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rev.	description	date
1.0	initial release	09/12/2016
1.01	brand update	10/30/2019

The revision history provided is for informational purposes only and is believed to be accurate.

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# CUI DEVICES

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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