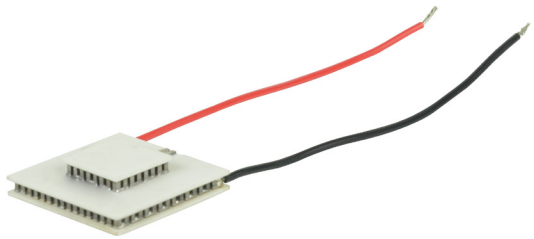
CUDEVICES

SERIES: CP28-2 | DESCRIPTION: PELTIER MODULE

FEATURES

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



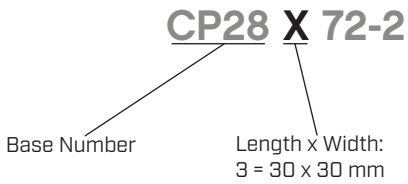
RoHS

MODEL

	input voltage[1] max (Vdc)	input current[2] max (A)	output Qmax[3] T_h=27°C (W)	output Qmax[3] T_h=50°C (W)	output ΔTmax[4] T_h=27°C (°C)	output ΔTmax[4] T_h=50°C (°C)
CP28372-2	15.7	2.8	8.7	9.6	95	105

Notes:
1. Maximum voltage at ΔT max and T_h=27°C
2. Maximum current to achieve ΔT max
3. Maximum heat absorbed at cold side occurs at I_{max}, V_{max}, and ΔT=0°C
4. Maximum temperature difference occurs at I_{max}, V_{max}, and Q=0W (ΔT max measured in a vacuum at 1.3 Pa)

PART NUMBER KEY



SPECIFICATIONS

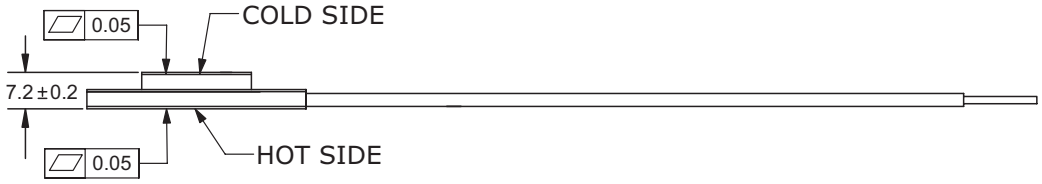
parameter	conditions/description	min	typ	max	units
internal resistance[1]		4.5	5.0	5.5	Ω
solder melting temperature	connection between thermoelectric pairs	138			°C
assembly compression				1	MPa
hot side plate				80	°C
RoHS	yes				

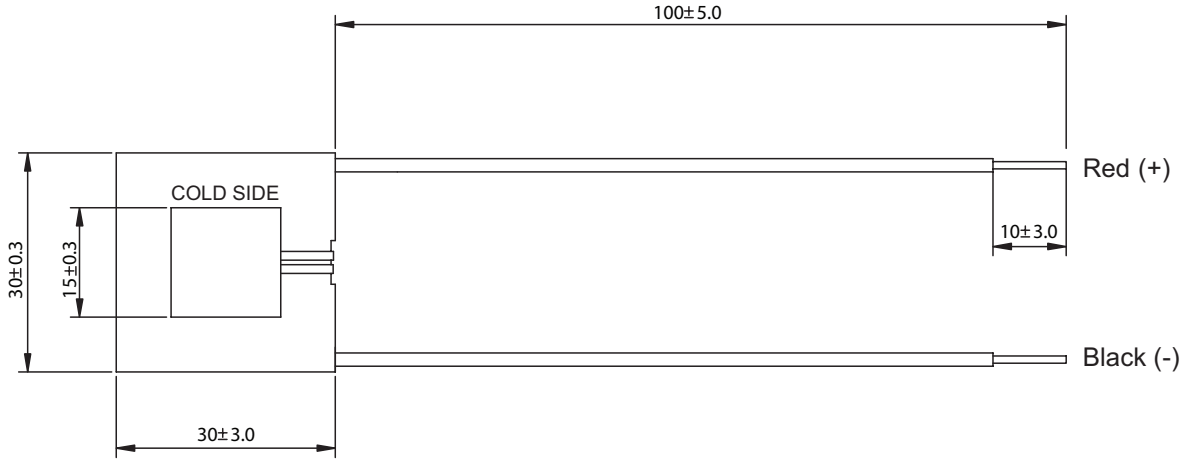
Note: 1. Measured by AC 4-terminal method at 25°C

MECHANICAL DRAWING

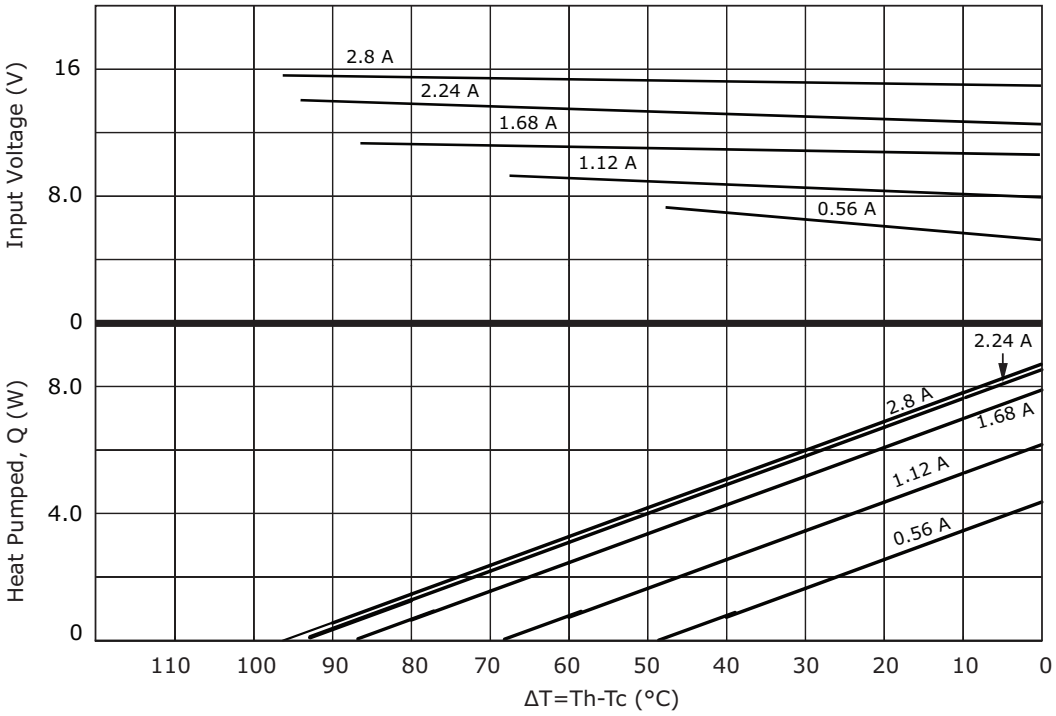
units: mm

	MATERIAL	PLATING
ceramic plate	96% AL_2O_3	
wire leads	22 AWG	tin
sealer	no sealer	
marking	P/N & S/N printed on cold side surface	

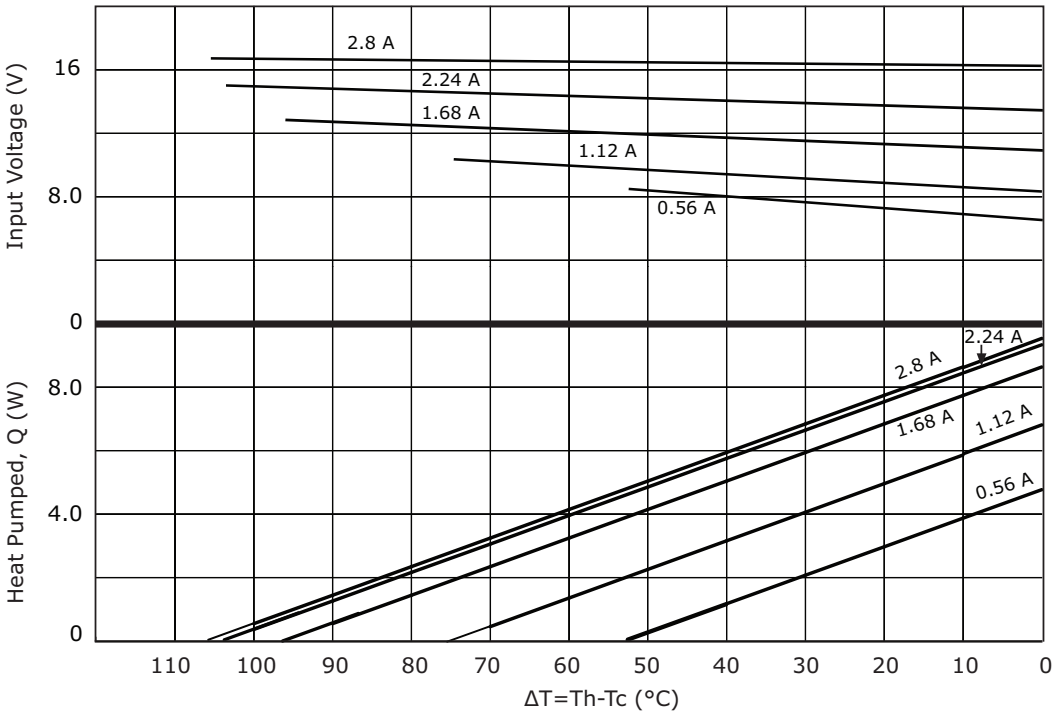




PERFORMANCE (Th=27°C)



PERFORMANCE (Th=50°C)



REVISION HISTORY

1.0	initial release	09/12/2016
1.01	brand update	10/30/2019
1.02	logo, datasheet style update	08/05/2022

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

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