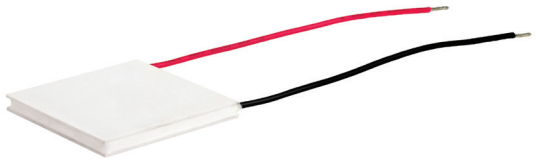
CUDEVICES

SERIES: CP30 | DESCRIPTION: PELTIER MODULE

FEATURES

- solid state device
- small and lightweight
- precise temperature control
- quiet operation



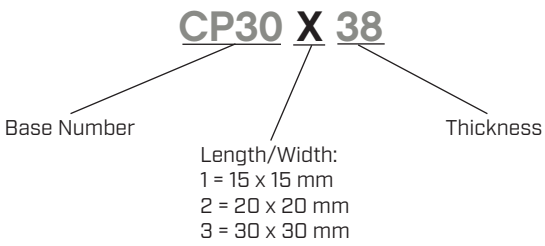
RoHS

MODEL

MODEL	input voltage max (V)	input current max (A)	output Qmax[1] T_h=27°C (W)	output Qmax[1] T_h=50°C (W)	output ΔTmax[2] T_h=27°C (°C)	output ΔTmax[2] T_h=50°C (°C)
CP30138	3.8	3	6.5	7.2	66	72
CP30238	8.6	3	15	16.7	66	72
CP30338	15.4	3	27	30.1	66	72

Notes: 1. maximum cooling capacity at I_{max}, V_{max}, and ΔT=0°C
2. maximum temperature difference at I_{max}, V_{max}, and Q=0W (maximum parameters are measured in a vacuum)

PART NUMBER KEY



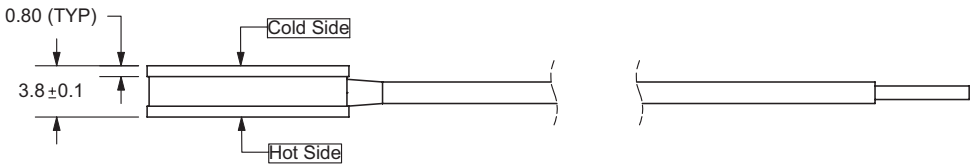
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
internal resistance[3]	CP30138 CP30238 CP30338	0.9 2.07 3.6	1.0 2.3 4.0	1.1 2.53 4.4	Ω Ω Ω
solder melting temperature	connection between termoelectric pairs			138	°C
assembly compression				98.07 10	N/cm^2 kgf/cm^2
RoHS	yes				

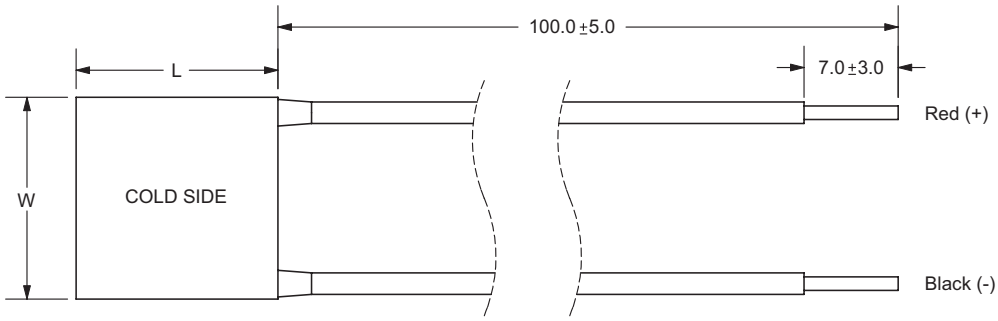
Notes: 3. measured by AC 4-terminal method at 25°C

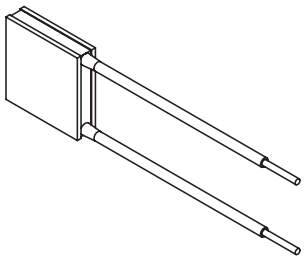
MECHANICAL DRAWING

units: mm



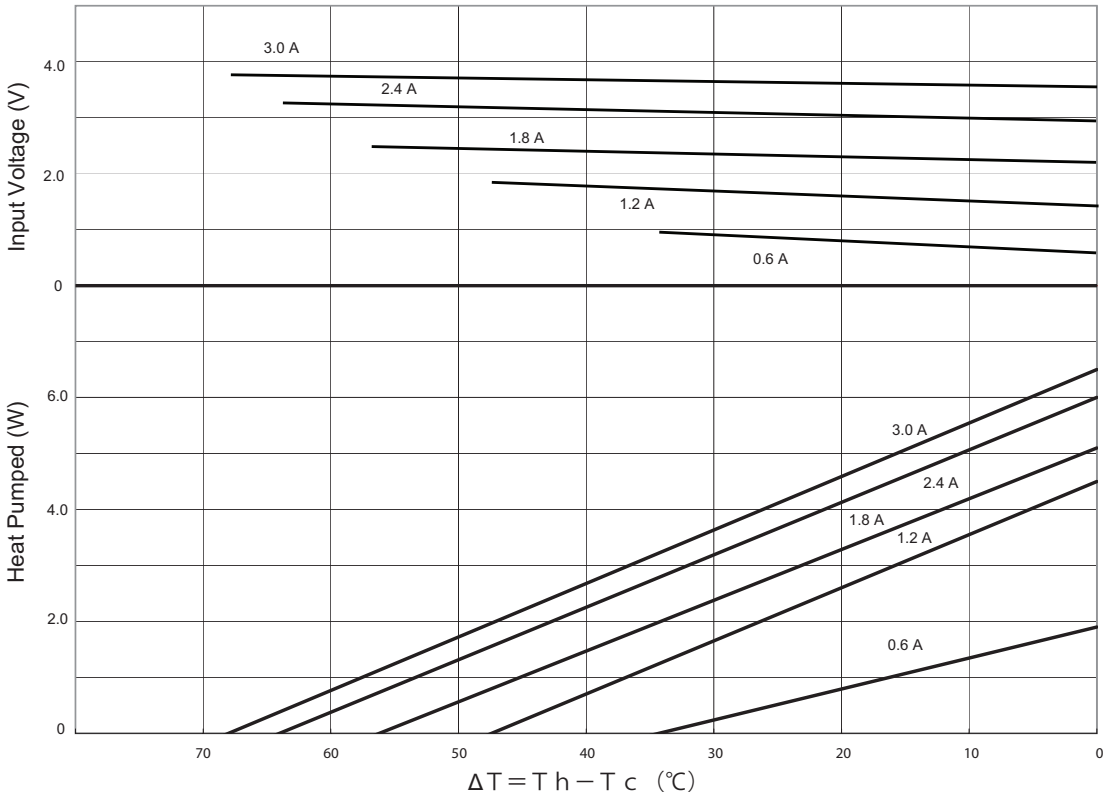
	MATERIAL	PLATING
ceramic plate	Al_2O_3 (Alumina)	
sealer	silicon rubber RTV	
lead wire	UL1430 (22AWG)	tin
joint cover	silicon rubber RTV	



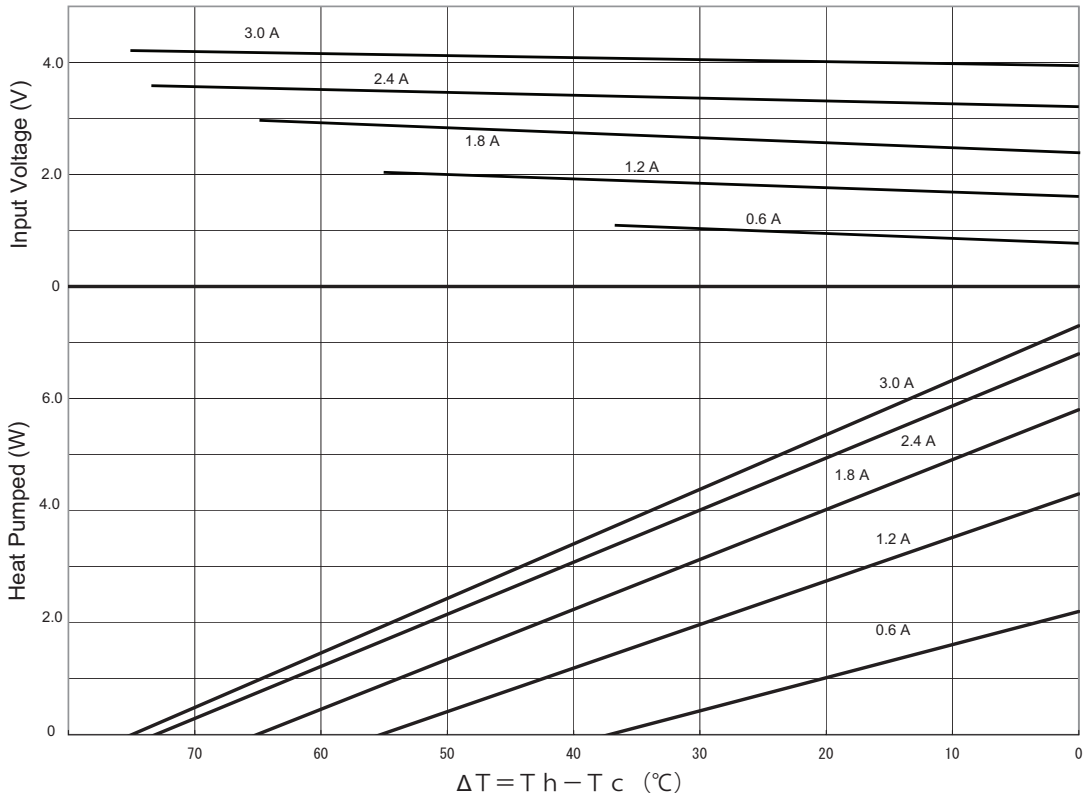


MODEL NO.	LENGTH (mm)	WIDTH (mm)	THICKNESS (mm)
CP30138	15 ±0.3	15 ±0.3	3.8 ±0.1
CP30238	20 ±0.3	20 ±0.3	3.8 ±0.1
CP30338	30 ±0.3	30 ±0.3	3.8 ±0.1

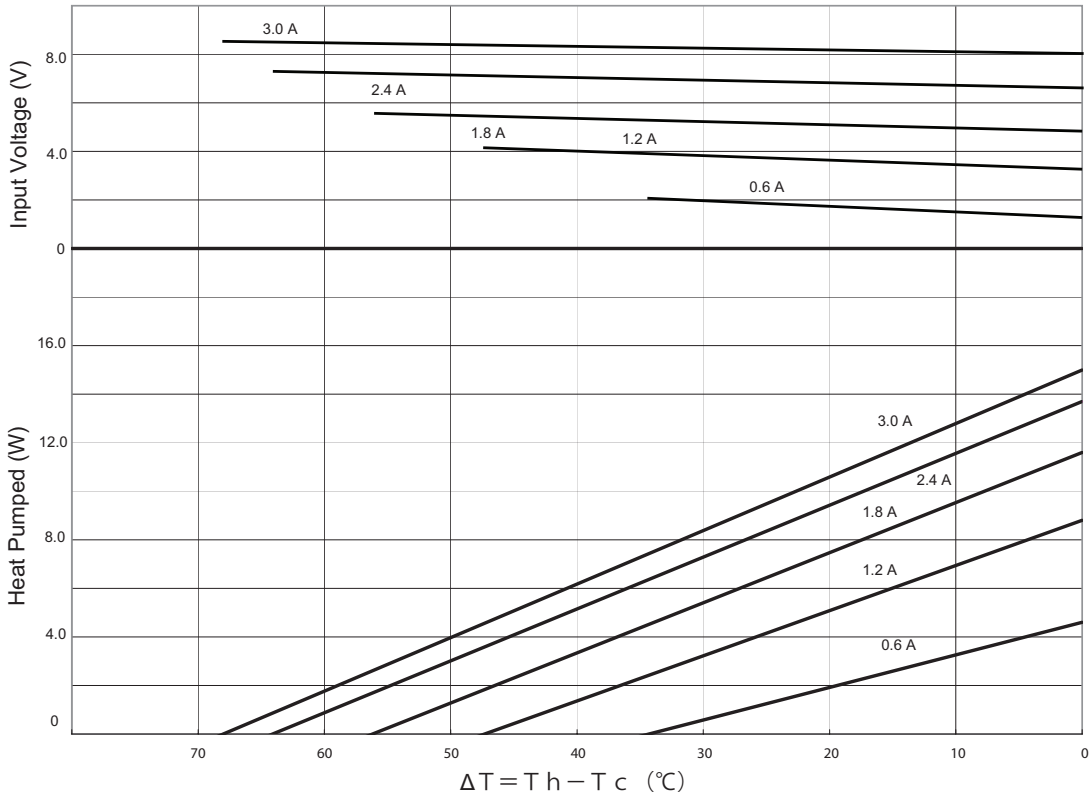
CP30138 PERFORMANCE (Th=27°C)



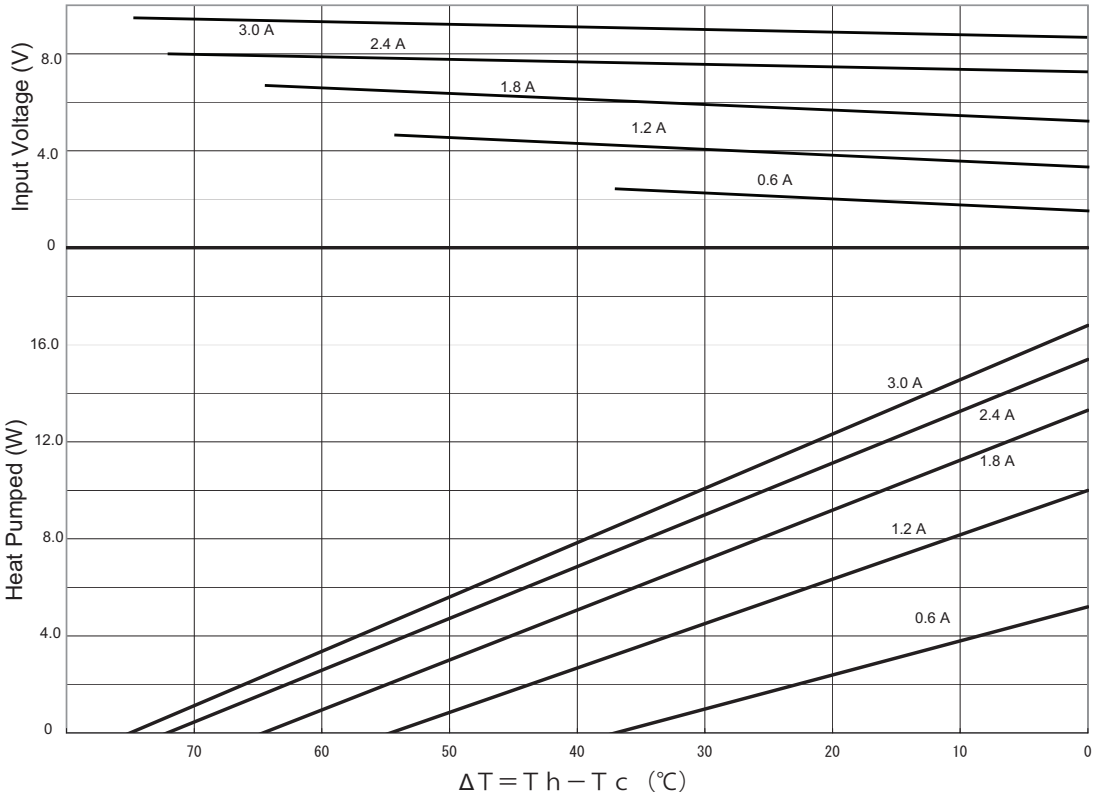
CP30138 PERFORMANCE (Th=50°C)



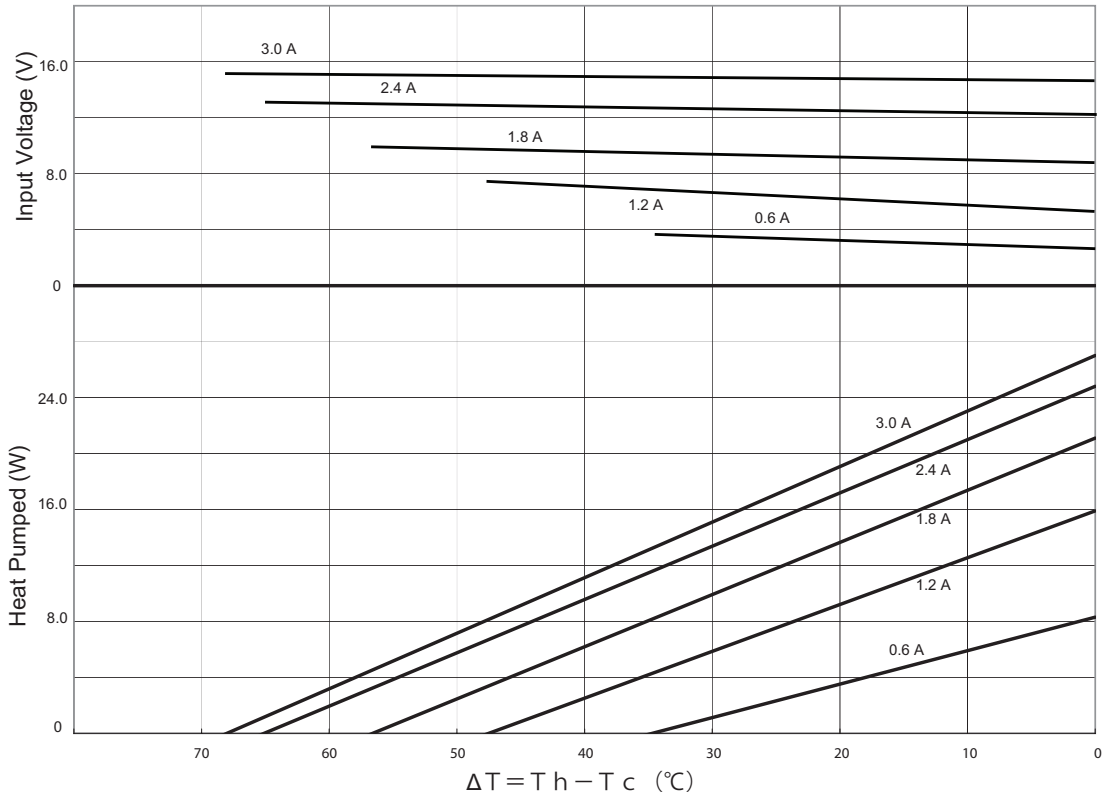
CP30238 PERFORMANCE (Th=27°C)



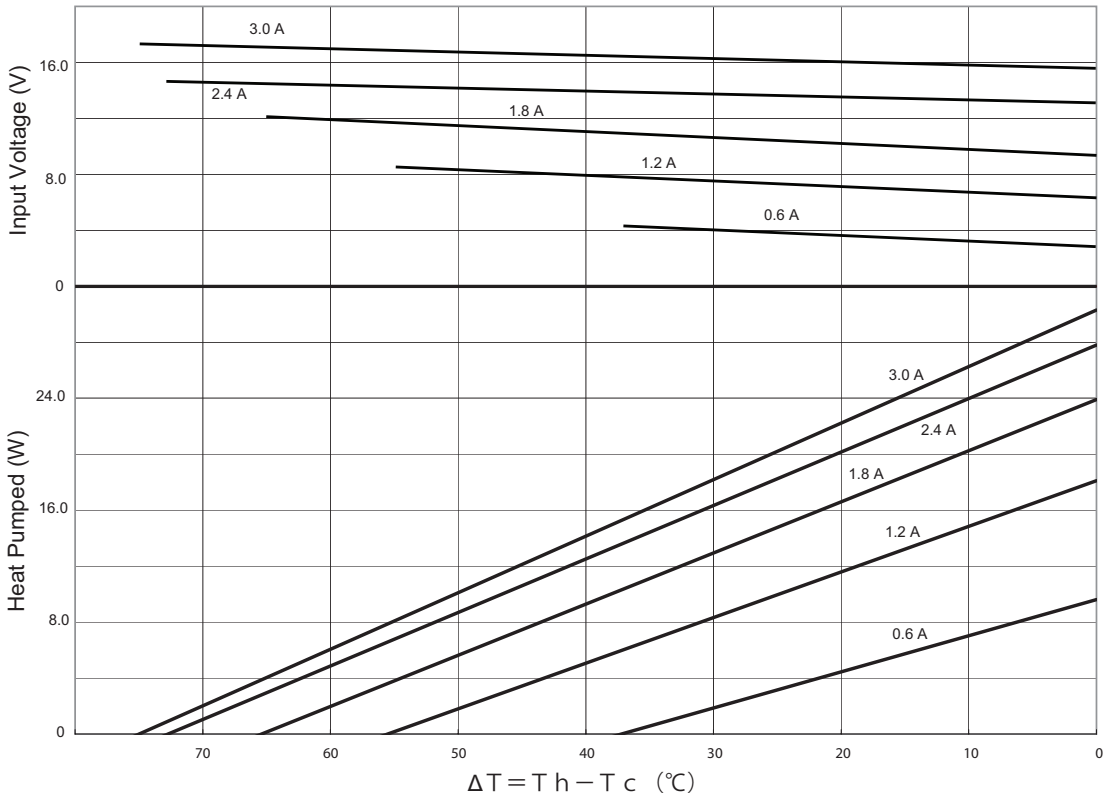
CP30238 PERFORMANCE (Th=50°C)



CP30338 PERFORMANCE (Th=27°C)



CP30338 PERFORMANCE (Th=50°C)



REVISION HISTORY

rev.	description	date
1.0	initial release	09/03/2009
1.01	applied new template	05/07/2012
1.02	brand update	10/30/2019
1.03	logo, datasheet style update	08/05/2022

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

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

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