

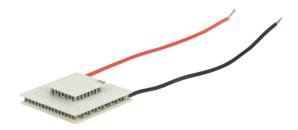
date 09/12/2016

page 1 of 4

SERIES: CP28-2 | DESCRIPTION: PELTIER MODULE

FEATURES

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





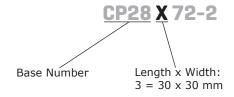
MODEL	input	input	output		output	
	voltage¹	current²	Qmax³		∆Tmax⁴	
	max	max	T _h =27°C	T _h =50°C	T_h=27°C	T _h =50°C
	(Vdc)	(A)	(W)	(W)	(°C)	(°C)
CP28372-2	15.7	2.8	8.7	9.6	95	105

Notes:

- 1. Maximum voltage at ΔT max and $T_{\rm h}{=}27^{\rm o}C$ 2. Maximum current to achieve ΔT max

- 3. Maximum heat absorbed at cold side occurs at $I_{max'}$ $V_{max'}$ and $\Delta T=0$ °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

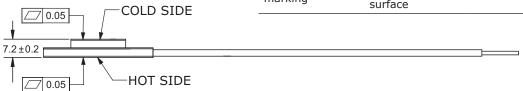
parameter	conditions/description	min	typ	max	units
internal resistance ¹		4.5	5.0	5.5	Ω
solder melting temperature	connection between thermoelectric pairs	138			°C
assembly compression				1	MPa
hot side plate				80	°C
RoHS	2011/65/EU				

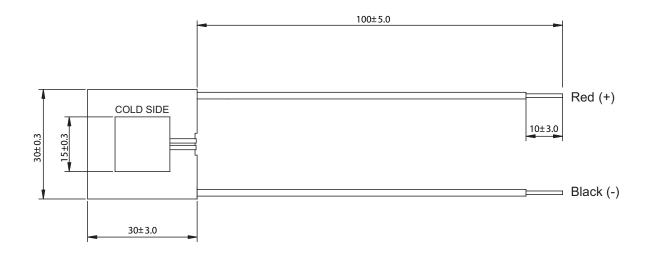
1. Measured by AC 4-terminal method at 25°C Note:

MECHANICAL DRAWING

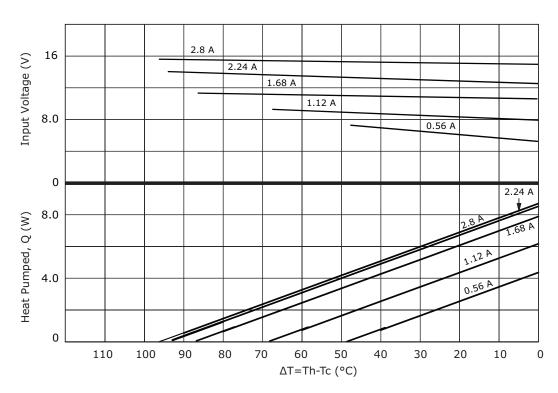




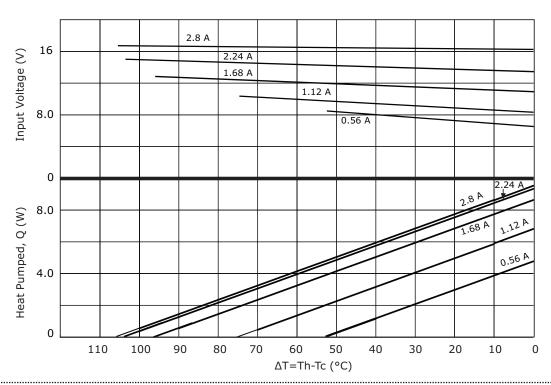




PERFORMANCE (Th=27°C)



PERFORMANCE (Th=50°C)



REVISION HISTORY

rev.	description	date	
1.0	initial release	09/12/2016	

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



Headquarters 20050 SW 112th Ave. Tualatin, OR 97062 **800.275.4899**

Fax 503.612.2383 **cui**.com techsupport@cui.com

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

CUI reserves the right to make changes to the product at any time without notice. Information provided by CUI is believed to be accurate and reliable. However, no responsibility is assumed by CUI for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.