Additional Resources: Product Page

CUI DEVICES

date 10/29/2019

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SERIES: CP50-2 | DESCRIPTION: PELTIER MODULE

FEATURES

- arcTEC™ structure
- solid state device
- 2-stage cooler
- precise temperature control
- silent operation





MODEL	input voltage¹	input current²	internal resistance³	output Qmax⁴		output ∆Tmax⁵	
	max (Vdc)	max (A)	typ $(\Omega \pm 10\%)$	T _h =27°C (W)	T _h =50°C (W)	T_h=27°C (°C)	T_h=50°C (°C)
CP502550665-2	12.8	5	2.4	23	25	82	92

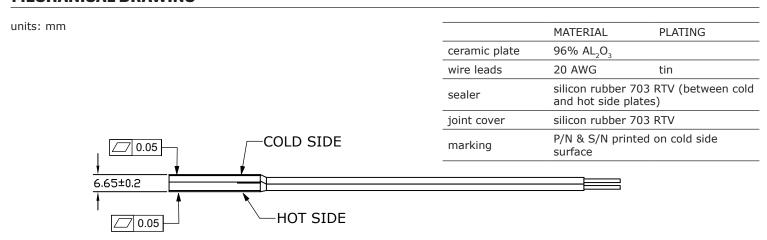
Notes:

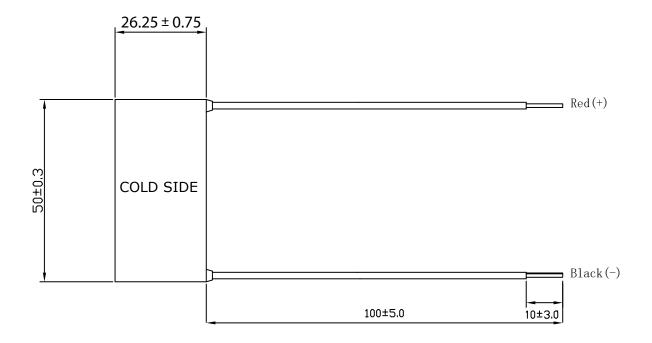
- 1. Maximum voltage at ΔT max and T_n =27°C 2. Maximum current to achieve ΔT max 3. Measured by AC 4-terminal method at 25°C
- 4. Maximum heat absorbed at cold side occurs at $I_{max'}$ $V_{max'}$ and $\Delta T=0$ °C 5. Maximum temperature difference occurs at $I_{max'}$ $V_{max'}$ and Q=0W (ΔT max measured in a vacuum at 1.3 Pa)

SPECIFICATIONS

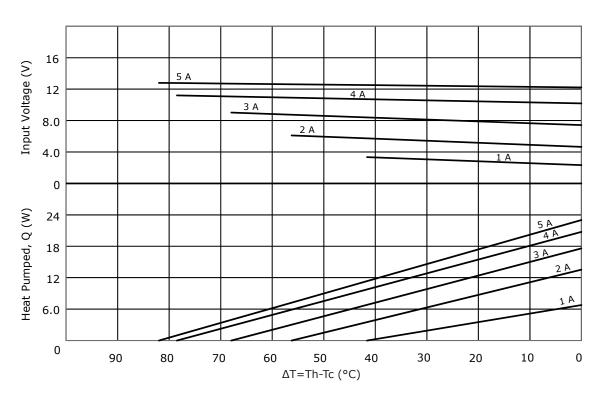
parameter	conditions/description	min	typ	max	units
solder melting temperature	connection between thermoelectric pairs	235			°C
assembly compression				1	MPa
hot side plate				100	°C
RoHS	yes				

MECHANICAL DRAWING

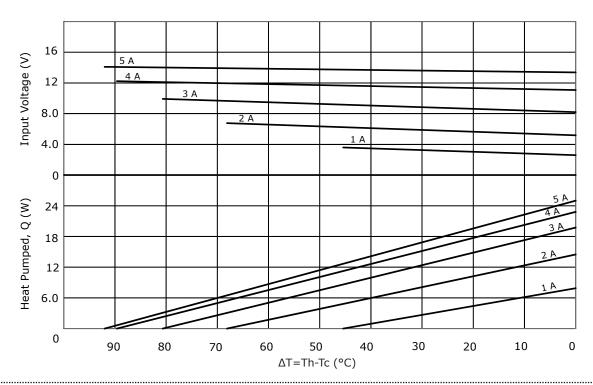




PERFORMANCE (Th=27°C)



PERFORMANCE (Th=50°C)



REVISION HISTORY

rev.	description	date
1.0	initial release	05/21/2018
1.01	brand update	10/29/2019

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

CUI DEVICES

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

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