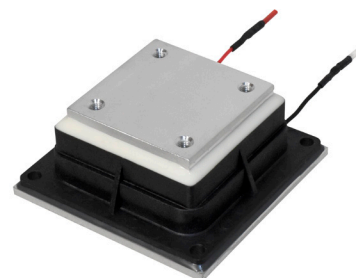


**MODEL:** CPM-2C | **DESCRIPTION:** PELTIER COOLING UNIT

**FEATURES**

- arcTEC™ structure
- easy installation
- tight seal structure for water resistance and absorption of thermal stress
- wide  $\Delta T$  max
- precise temperature control


**MODEL**

	input voltage <sup>1</sup> max [V]	input current max [A]	output $Q_{max}^2$ $T_h=50^\circ\text{C}$ [W]	output $\Delta T_{max}^2$ $T_h=50^\circ\text{C}$ [°C]
CPM-2C	12	7	43	85.9

Notes: 1. at inverse voltage, "cold side plate" becomes hot side plate  
 2. maximum cooling capacity at  $I_{max}$ ,  $V_{max}$ , and  $\Delta T=0^\circ\text{C}$   
 3. maximum temperature difference at  $I_{max}$ ,  $V_{max}$ , and  $Q=0\text{W}$  (maximum parameters are measured in a vacuum)

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
internal resistance <sup>4</sup>		1.48		1.82	$\Omega$
cold side plate		-20		60	$^\circ\text{C}$

Notes: 4. measured by AC 4-terminal method at  $25^\circ\text{C}$

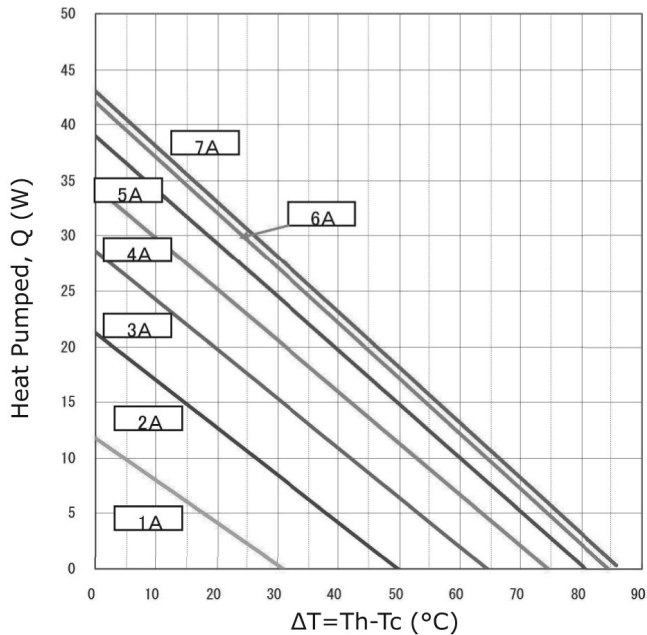
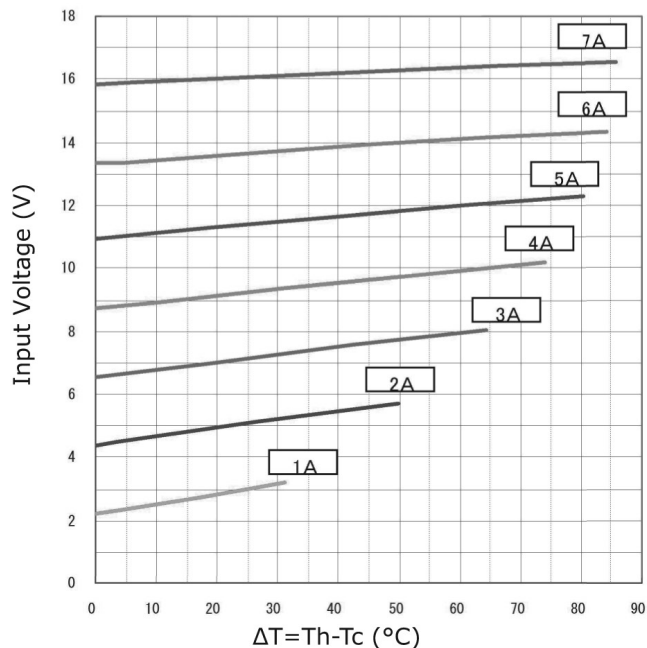
**SAFETY & COMPLIANCE**

parameter	conditions/description	min	typ	max	units
isolation voltage	for 1 second			1,200	Vac
insulation resistance	input to output at 250 Vdc	10			$\text{M}\Omega$
RoHS	yes				

**ENVIRONMENTAL**

parameter	conditions/description	min	typ	max	units
operating temperature		0		35	$^\circ\text{C}$
storage temperature		-20		70	$^\circ\text{C}$
operating humidity		30		85	%
storage humidity		10		90	%

## CPM-2C PERFORMANCE (Th=50°C)



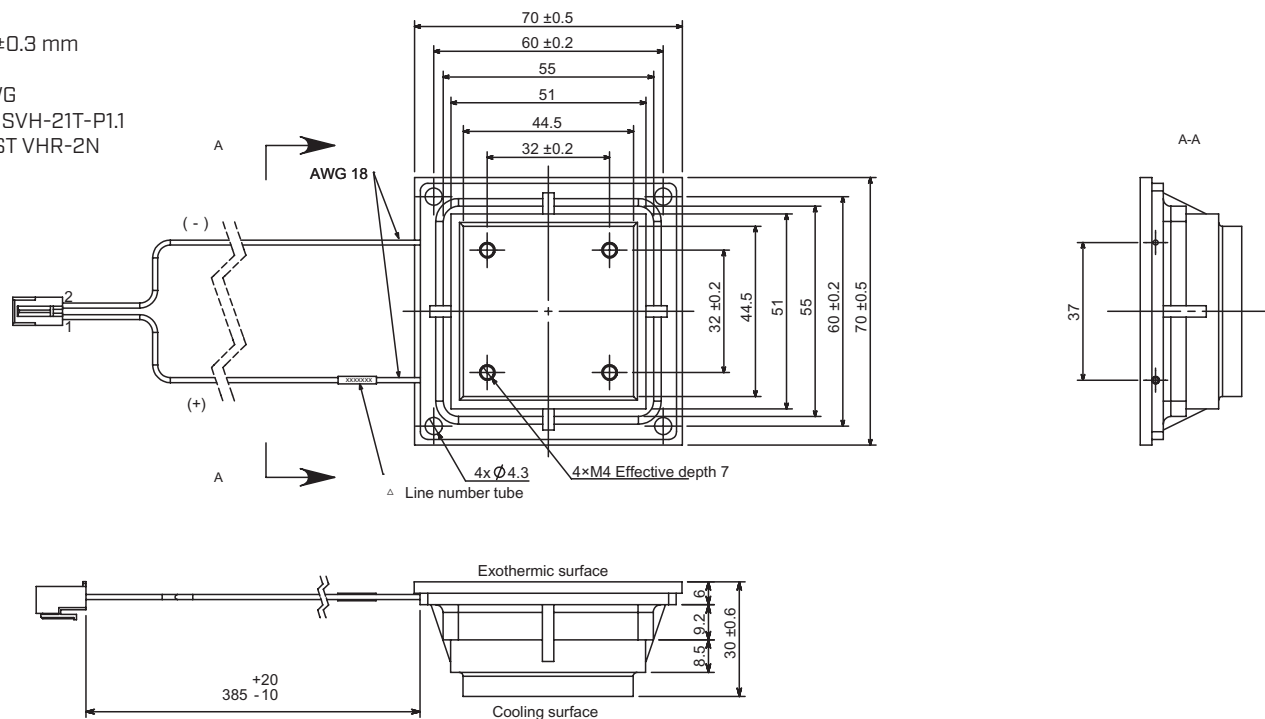
## MECHANICAL

parameter	conditions/description	min	typ	max	units
weight			220		g
cooling medium	aluminum				
heat radiation medium	aluminum				

## MECHANICAL DRAWING

units: mm  
tolerance: ±0.3 mm

wire: 18 AWG  
connector: SVH-21T-P1.1  
housing: JST VHR-2N



## REVISION HISTORY

rev.	description	date
1.0	initial release	11/07/2019
1.01	logo, datasheet style update	08/05/2022
1.02	updated drawing	09/27/2023

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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