

**MODEL:** CPM-2H | **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**

MODEL	input voltage <sup>1</sup> max (V)	input current max (A)	output Qmax <sup>2</sup> T <sub>h</sub> =50°C (W)	output $\Delta T$ max <sup>2</sup> T <sub>h</sub> =50°C (°C)
CPM-2H	12	8.5	58.95	70

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>		1.35		1.65	$\Omega$
cold side plate		-20		60	°C

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

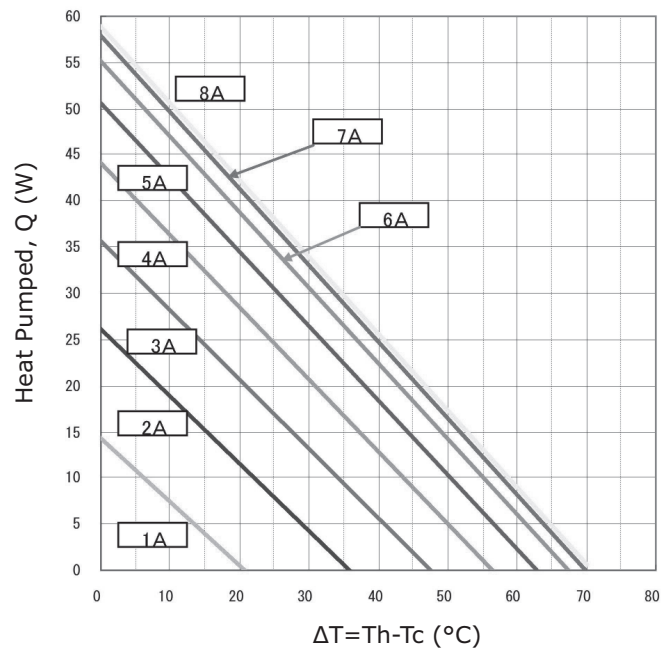
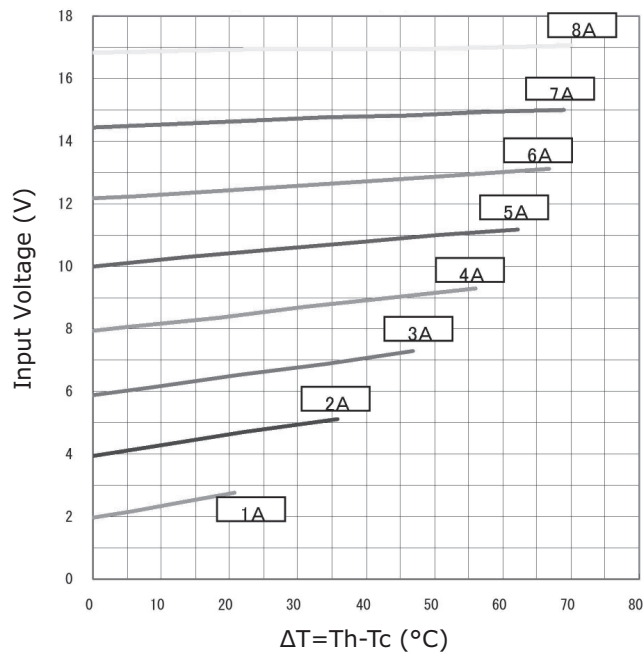
**SAFETY & COMPLIANCE**

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

**ENVIRONMENTAL**

parameter	conditions/description	min	typ	max	units
operating temperature		0		35	°C
storage temperature		-20		70	°C
operating humidity		30		85	%
storage humidity		10		90	%

## CPM-2H PERFORMANCE (Th=50°C)



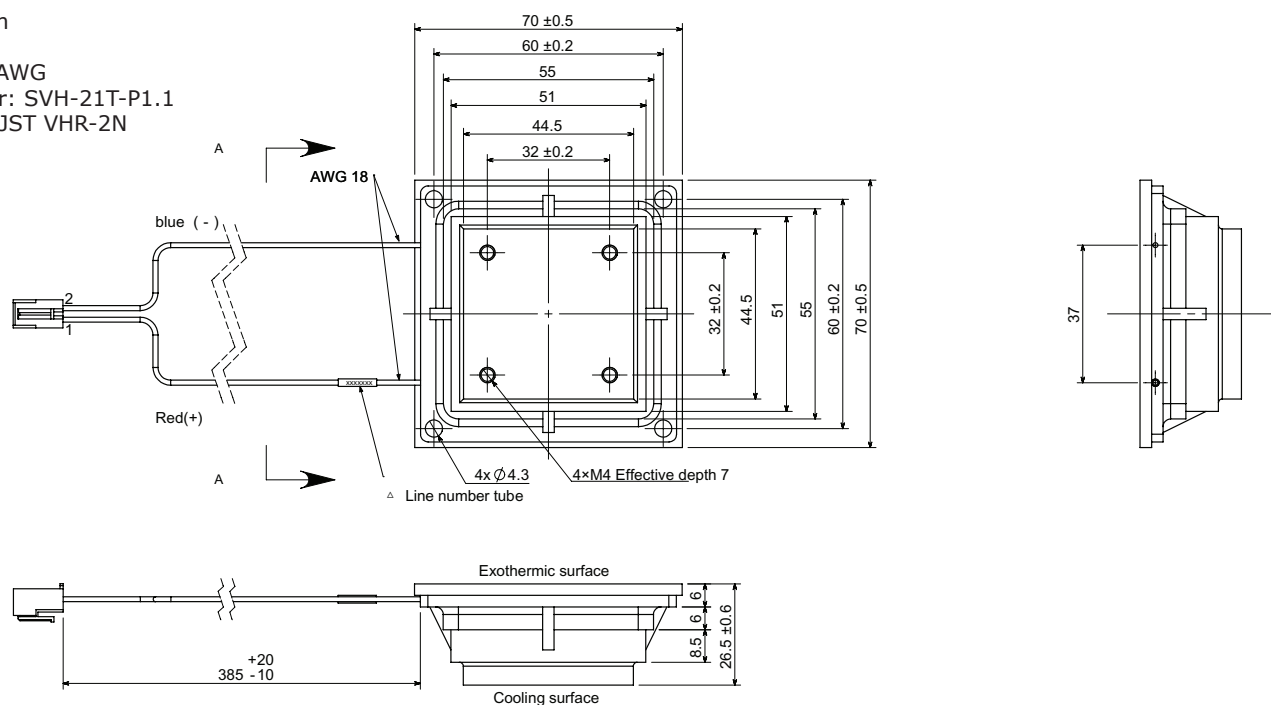
## MECHANICAL

parameter	conditions/description	min	typ	max	units
weight			200		g
cooling medium	aluminum				
heat radiation medium	aluminum				

## MECHANICAL DRAWING

units: 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

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

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# CUI DEVICES

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