

MODEL: CPM-2H | **DESCRIPTION:** PELTIER COOLING UNIT**FEATURES**

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

**MODEL**

MODEL	input voltage ¹ max (V)	input current max (A)	output Q _{max} ² T _h =50°C (W)	output ΔT _{max} ² T _h =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 ⁴		1.35		1.65	Ω
cold side plate		-20		60	$^{\circ}\text{C}$

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

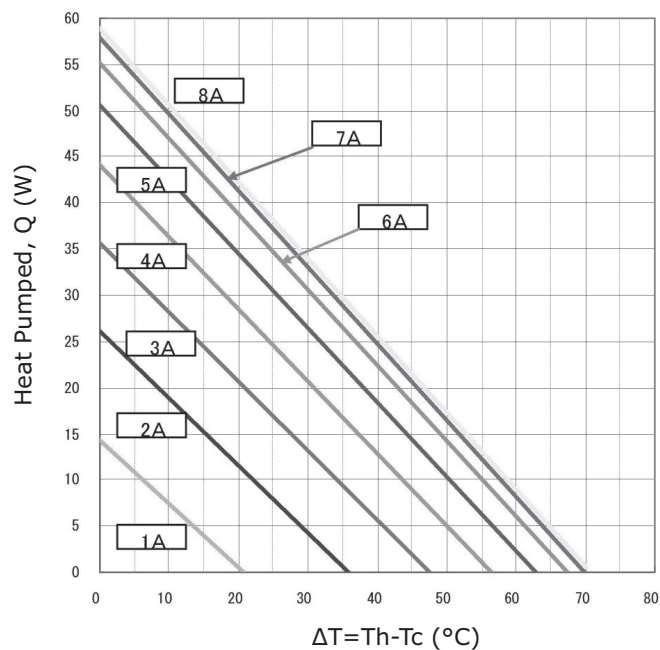
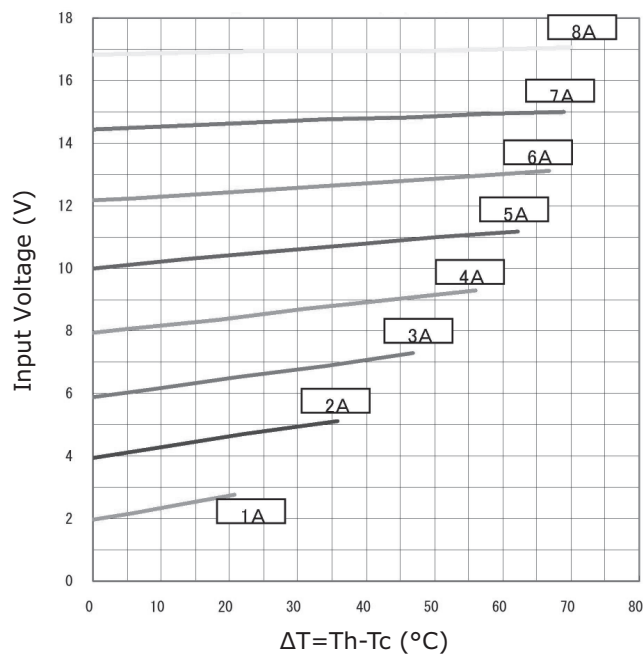
SAFETY & COMPLIANCE

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 Ω
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-2H PERFORMANCE (Th=50°C)



MECHANICAL

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

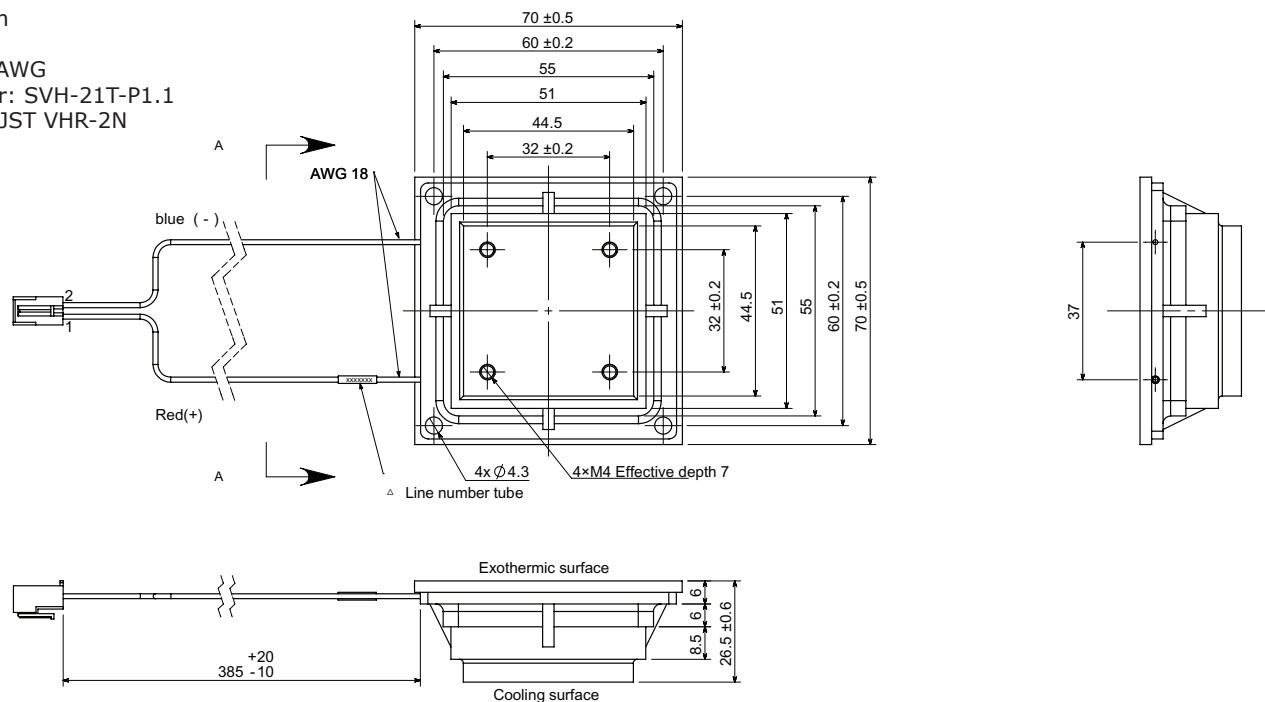
MECHANICAL DRAWING

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.

CUI DEVICES

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