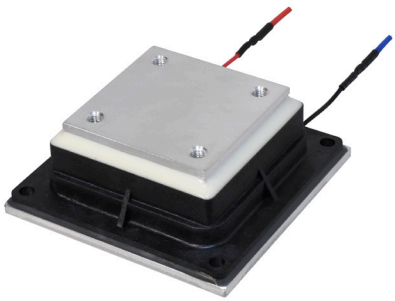
CUI DEVICES

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



RoHS

MODEL	input voltage[1] max (V)	input current max (A)	output Qmax[2] T_h=50°C (W)	output ΔTmax[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 ΔT=0°C
3. maximum temperature difference at I_{max}, V_{max}, and Q=0W (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	°C

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

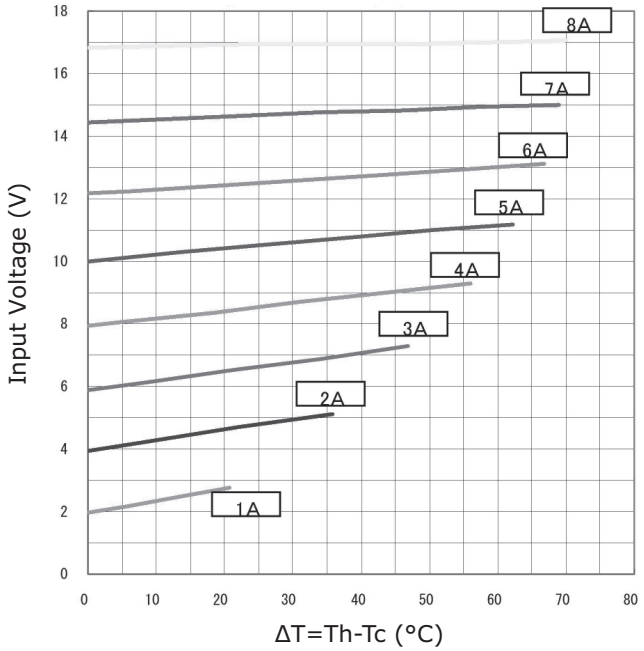
SAFETY & COMPLIANCE

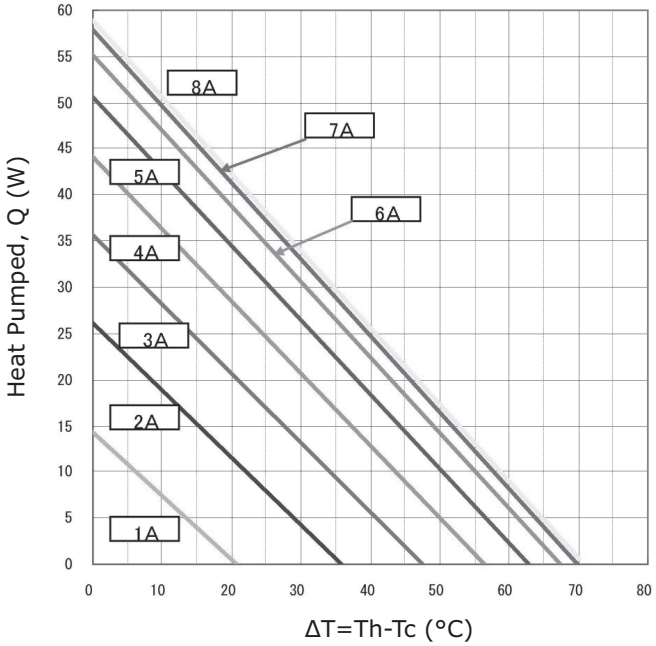
parameter	conditions/description	min	typ	max	units
isolation voltage	for 1 second			1,200	Vac
insulation resistance	input to output at 250 Vdc	10			MΩ
RoHS	yes				

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)





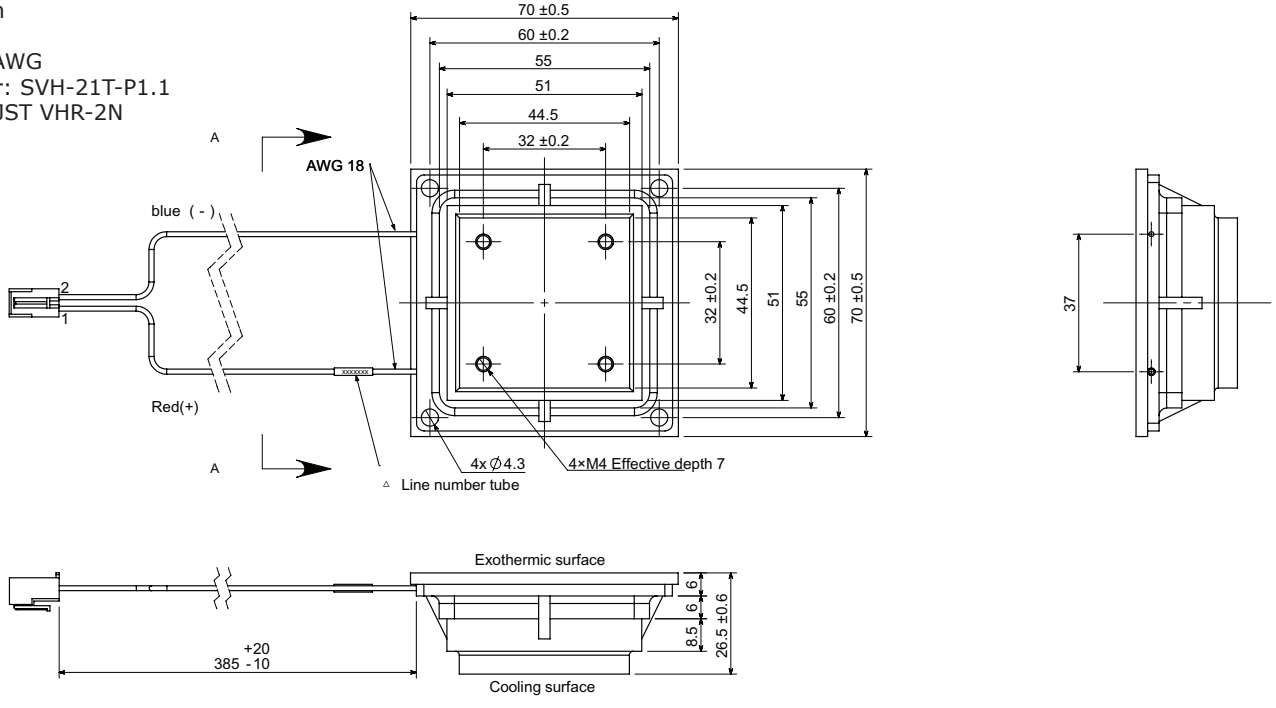
MECHANICAL

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.