

date 08/05/2022

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## MODEL: CPM-2H | DESCRIPTION: PELTIER COOLING UNIT

#### **FEATURES**

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





MODEL	input	input	output	output
	voltage¹	current	Qmax²	∆Tmax²
	<b>max</b>	<b>max</b>	T <sub>h</sub> =50°C	T <sub>h</sub> =50°C
	[V]	[A]	(W)	(°C)
CPM-2H	12	8.5	58.95	70

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

#### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
internal resistance <sup>4</sup>		1.35		1.65	Ω
cold side plate		-20		60	°C

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

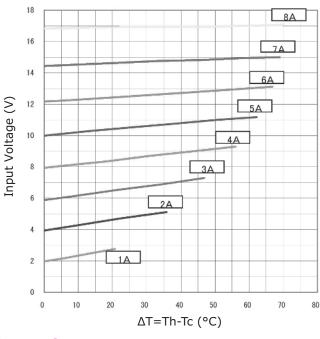
#### **SAFETY & COMPLIANCE**

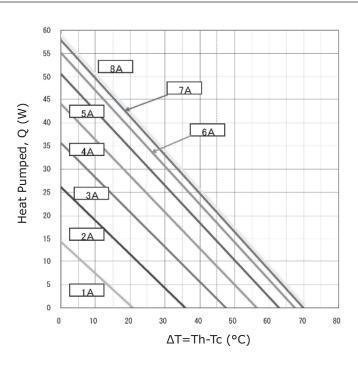
parameter	conditions/description	min	typ	max	units
isolation voltage	for 1 second			1,200	Vac
insulation resistance	input to output at 250 Vdc	10			ΜΩ
RoHS	yes				

### **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)

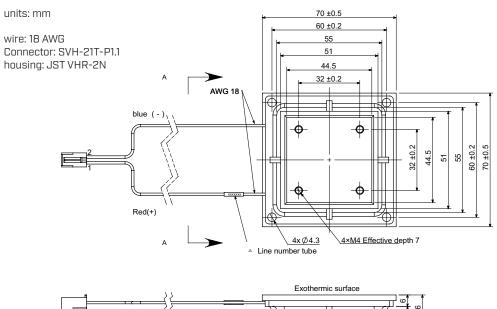


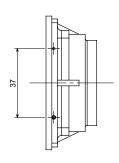


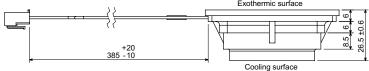
### **MECHANICAL**

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

### **MECHANICAL DRAWING**







Additional Resources: Product Page | 3D Model

#### **REVISION HISTORY**

rev.	description	date	
1.0	initial release	11/07/2019	
1.01	logo, datasheet style update	08/05/2022	

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



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