

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

- arcTEC™ structure
- better seal structure for water resistance and absorption of thermal stress
- easy installation
- no screws to tighten result in better heat absorption and maximum performance

**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-2F	12	6	48	73

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		1.85		2.35	Ω
cold side plate		-20		60	$^{\circ}\text{C}$

Notes:

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

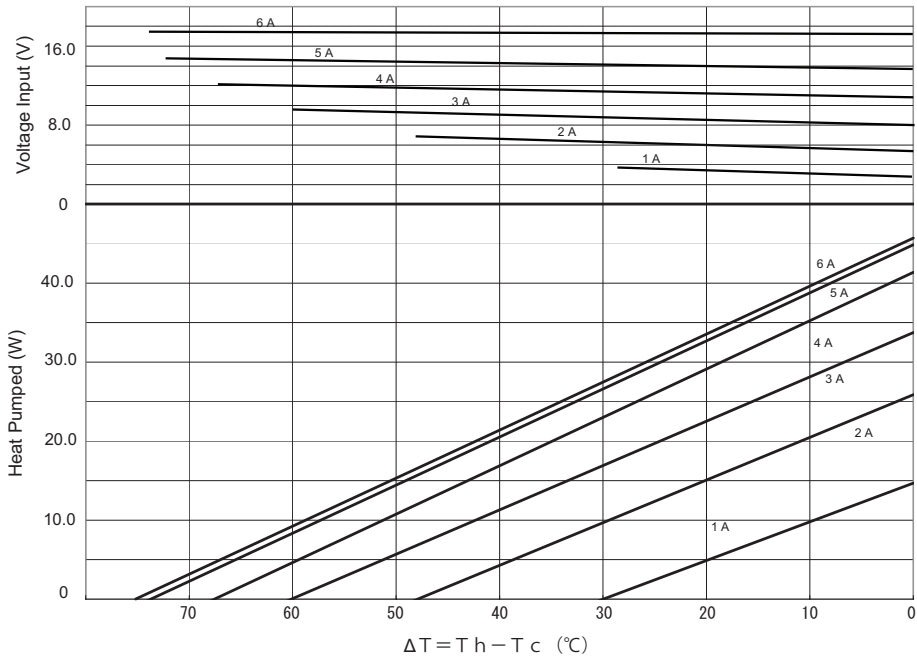
SAFETY & COMPLIANCE

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-2F PERFORMANCE (Th=50°C)

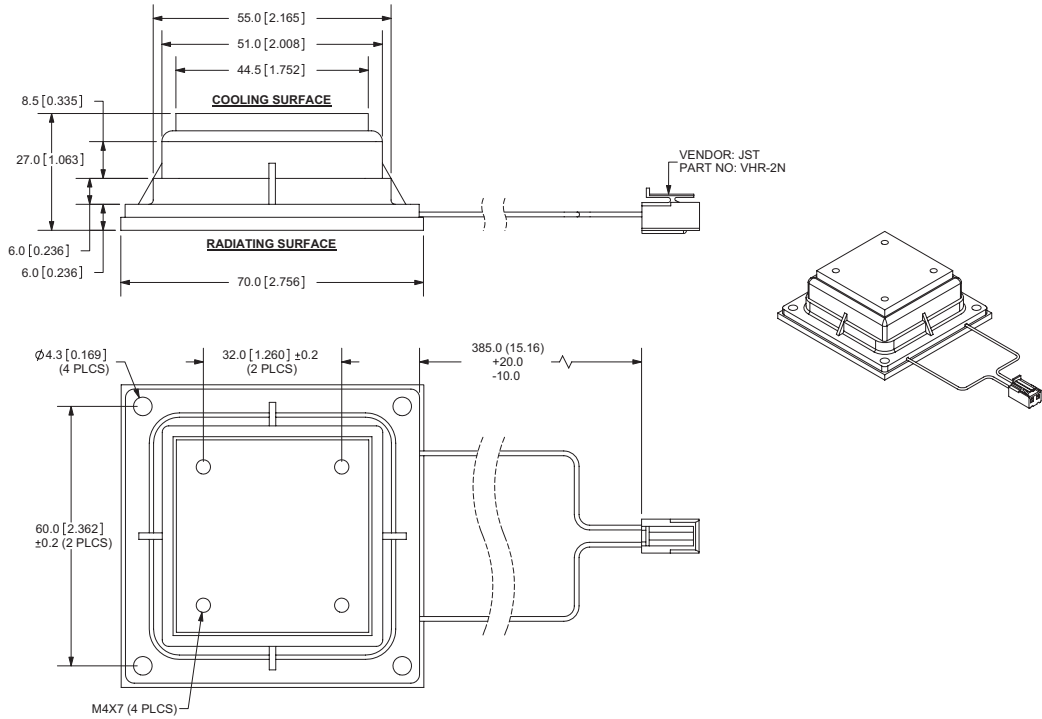


MECHANICAL

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

MECHANICAL DRAWING

units: mm
tolerance: ±0.3 mm



REVISION HISTORY

rev.	description	date
1.0	initial release	07/09/2008
1.01	applied new template	05/07/2012
1.02	updated datasheet	09/25/2017
1.03	brand update	11/05/2019
1.04	logo, datasheet style update	08/05/2022
1.05	CUI Devices rebranded to Same Sky	09/12/2024

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



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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