



SERIES:

CP105H

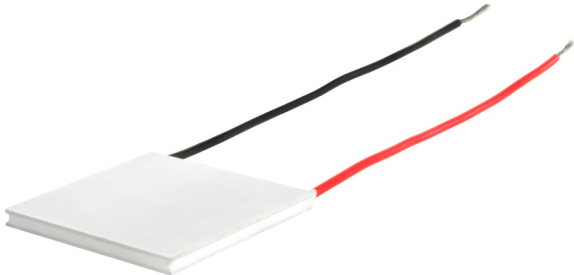
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DESCRIPTION:

PELTIER MODULE

FEATURES

- arcTEC™ structure
- solid state device
- precise temperature control
- silent operation



MODEL

	input voltage ¹ max [Vdc]	input current ² max [A]	internal resistance ³ typ [Ω±10%]	output Qmax ⁴		output ΔTmax ⁵	
				T _h =27°C [W]	T _h =50°C [W]	T _h =27°C [°C]	T _h =50°C [°C]
CP105433H	15.4	10.5	1.15	93	102	68	75
CP1054033H	24.1	10.5	1.83	148	163	68	75

Notes:

1. Maximum voltage at ΔT max and T_h=27°C

2. Maximum current to achieve ΔT max

3. Measured by AC 4-terminal method at 25°C

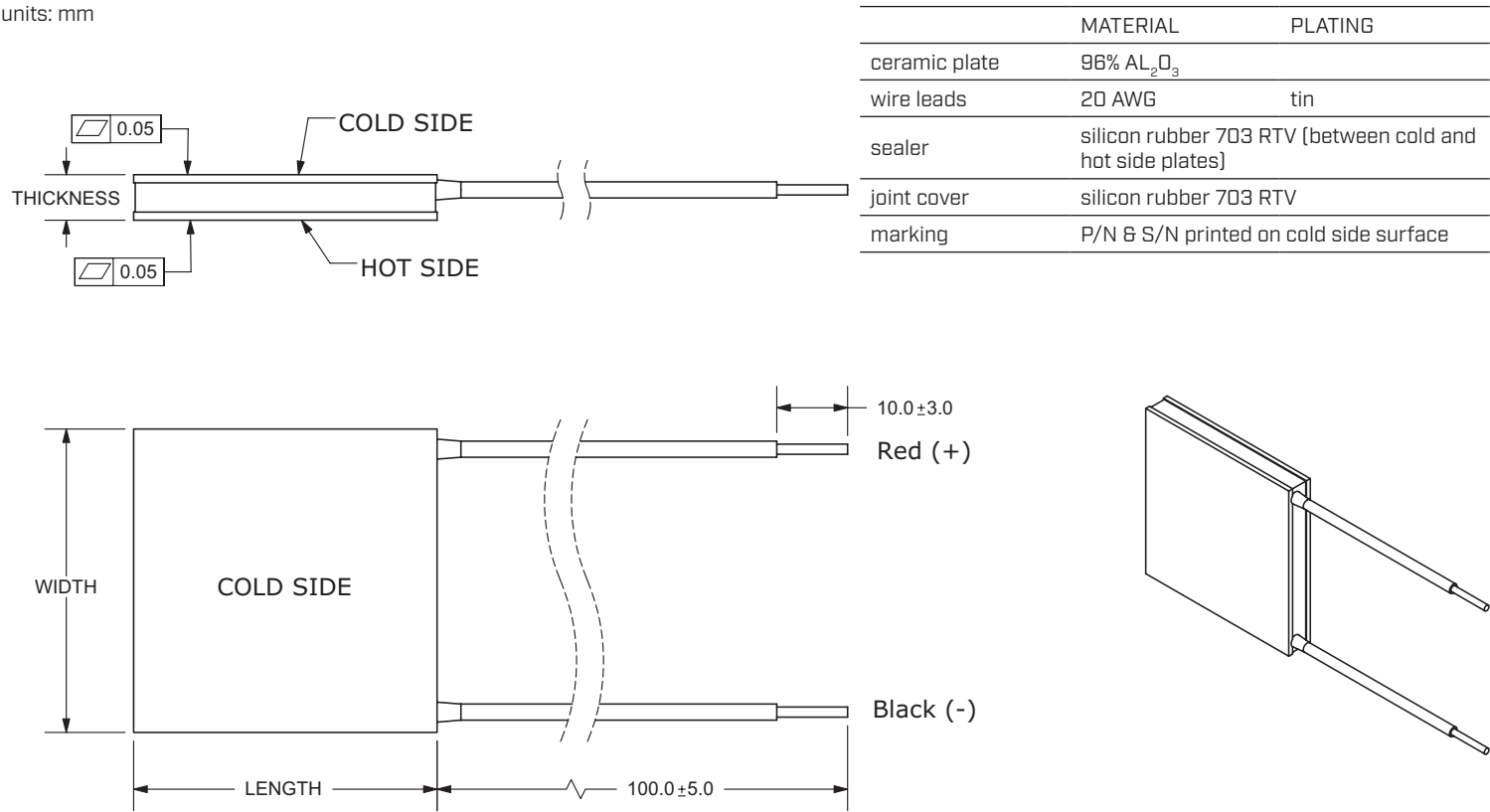
4. Maximum heat absorbed at cold side occurs at I_{max}, V_{max}, and ΔT=0°C

5. Maximum temperature difference occurs at I_{max}, V_{max}, and Q=0W (ΔT max measured in a vacuum at 1.3 Pa)

SPECIFICATIONS

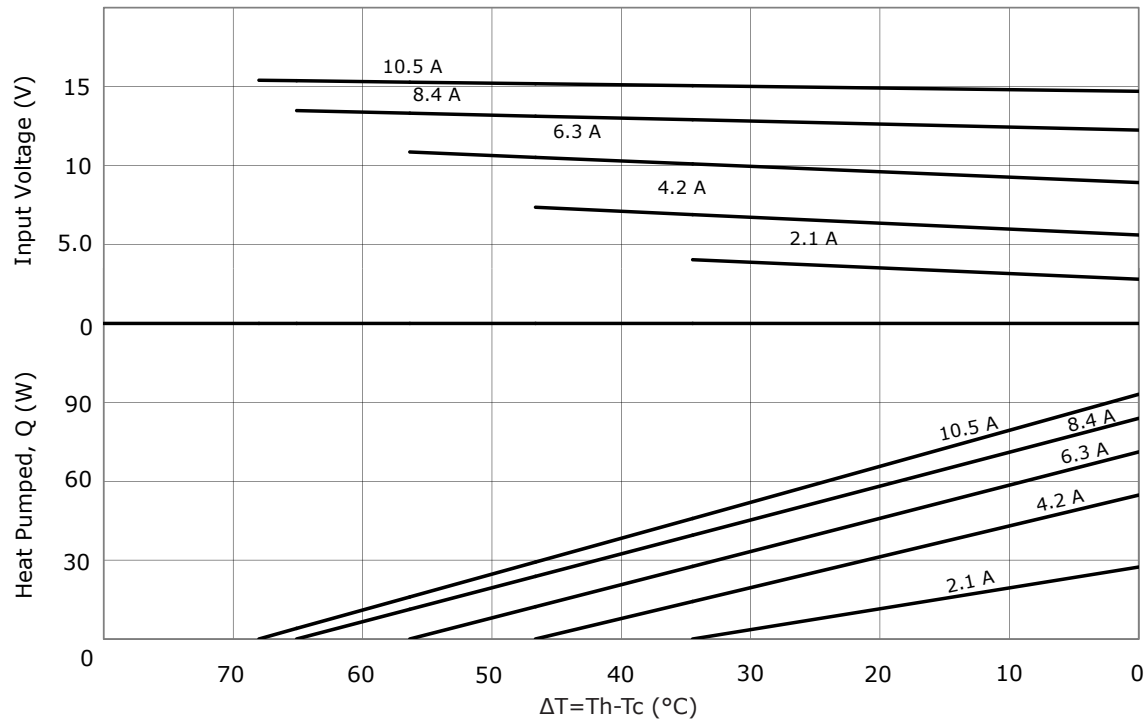
parameter	conditions/description	min	typ	max	units
solder melting temperature	connection between thermoelectric pairs	235			°C
assembly compression				1	MPa
hot side plate				100	°C
RoHS	yes				

MECHANICAL DRAWING

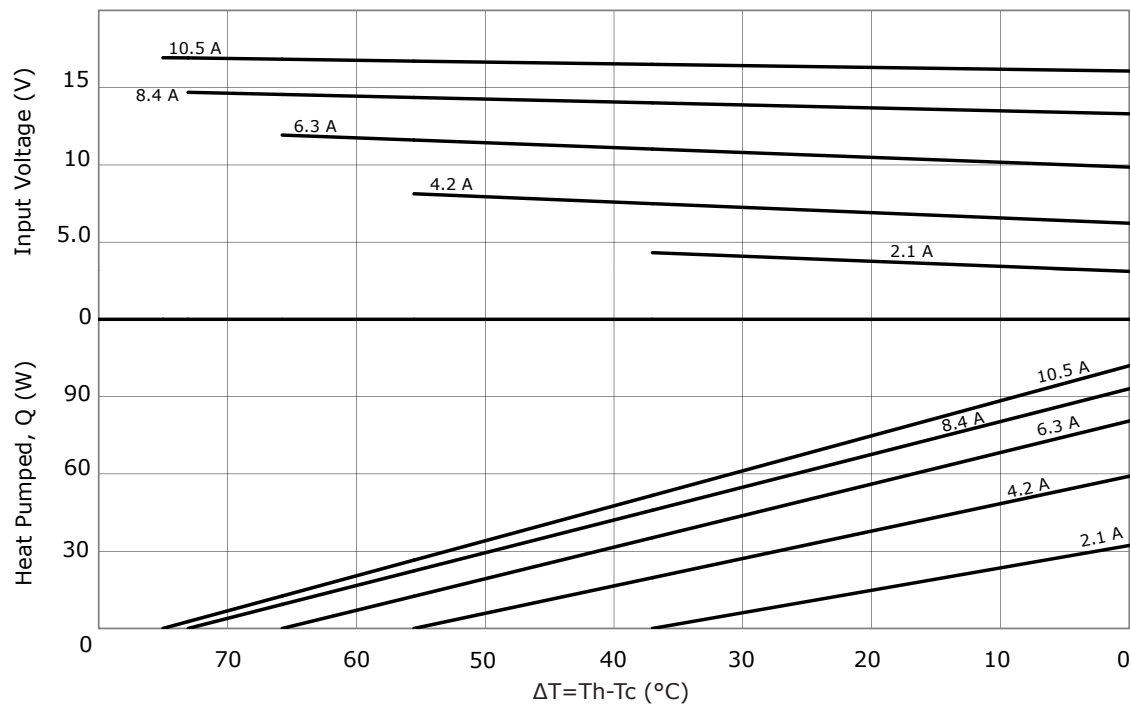


MODEL NO.	LENGTH [mm]	WIDTH [mm]	THICKNESS [mm]
CP105433H	40 ±0.3	40 ±0.3	3.3 ±0.1
CP1054033H	40 ±0.3	40 ±0.3	3.3 ±0.1

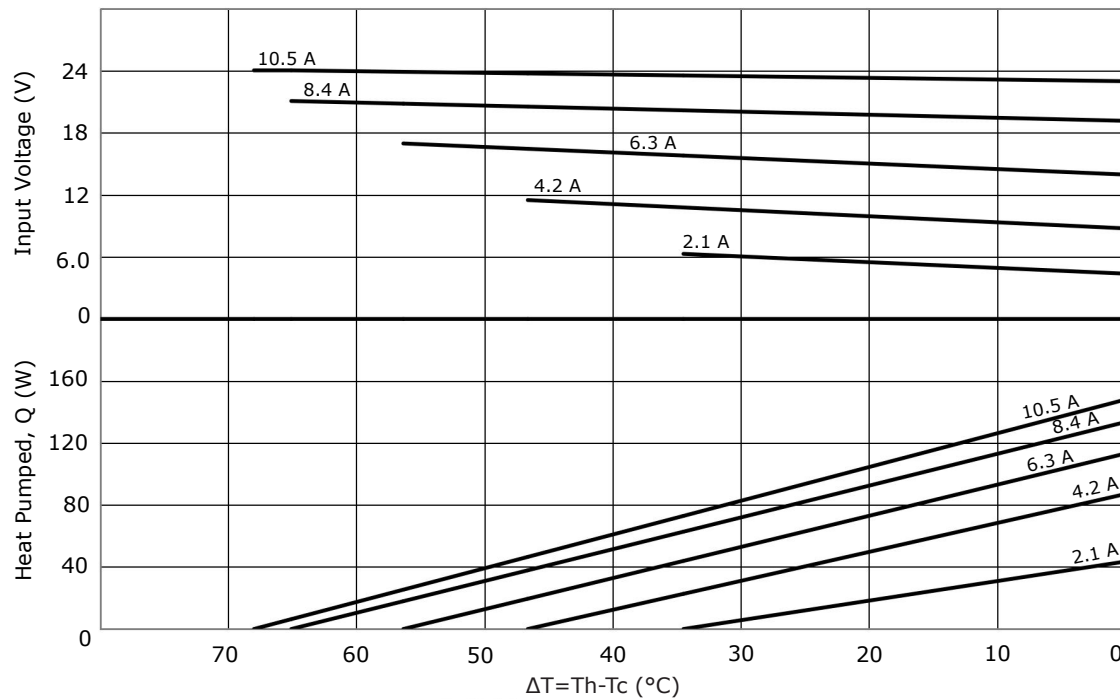
CP105433H PERFORMANCE (Th=27°C)



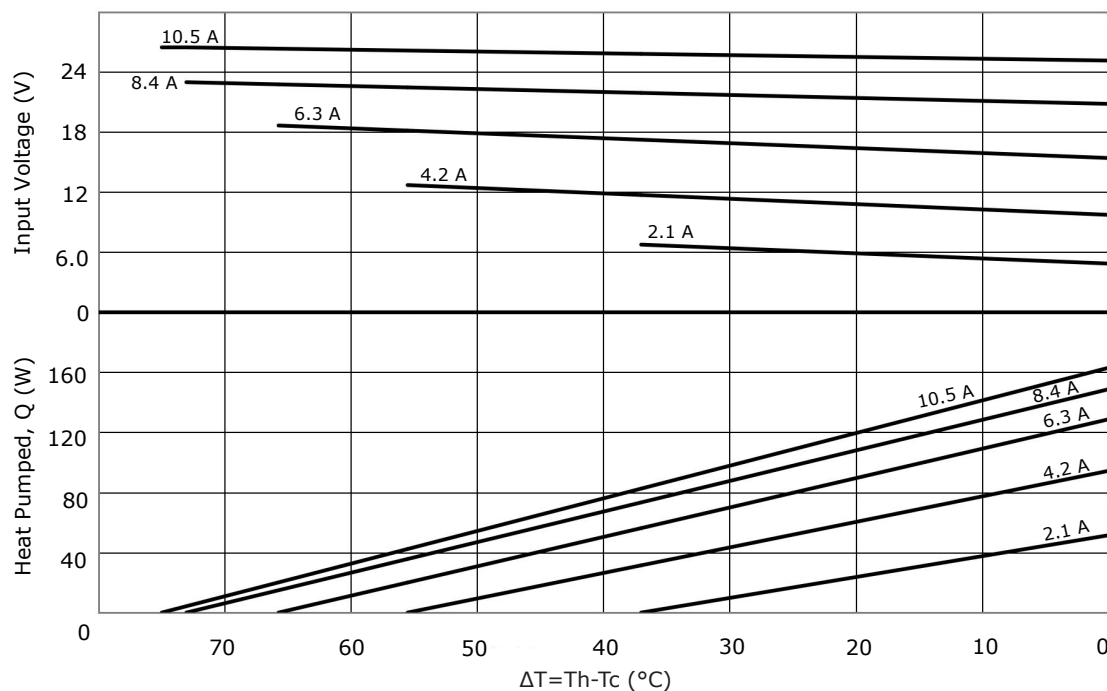
CP105433H PERFORMANCE (Th=50°C)



CP1054033H PERFORMANCE (Th=27°C)



CP1054033H PERFORMANCE (Th=50°C)



REVISION HISTORY

rev.	description	date
1.0	initial release	05/21/2018
1.01	brand update	10/28/2019
1.02	added model CP1054033H	11/09/2020
1.03	logo, datasheet style update	08/05/2022
1.04	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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