



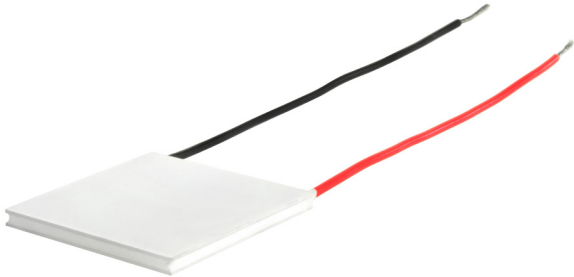
SERIES: CP105H

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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

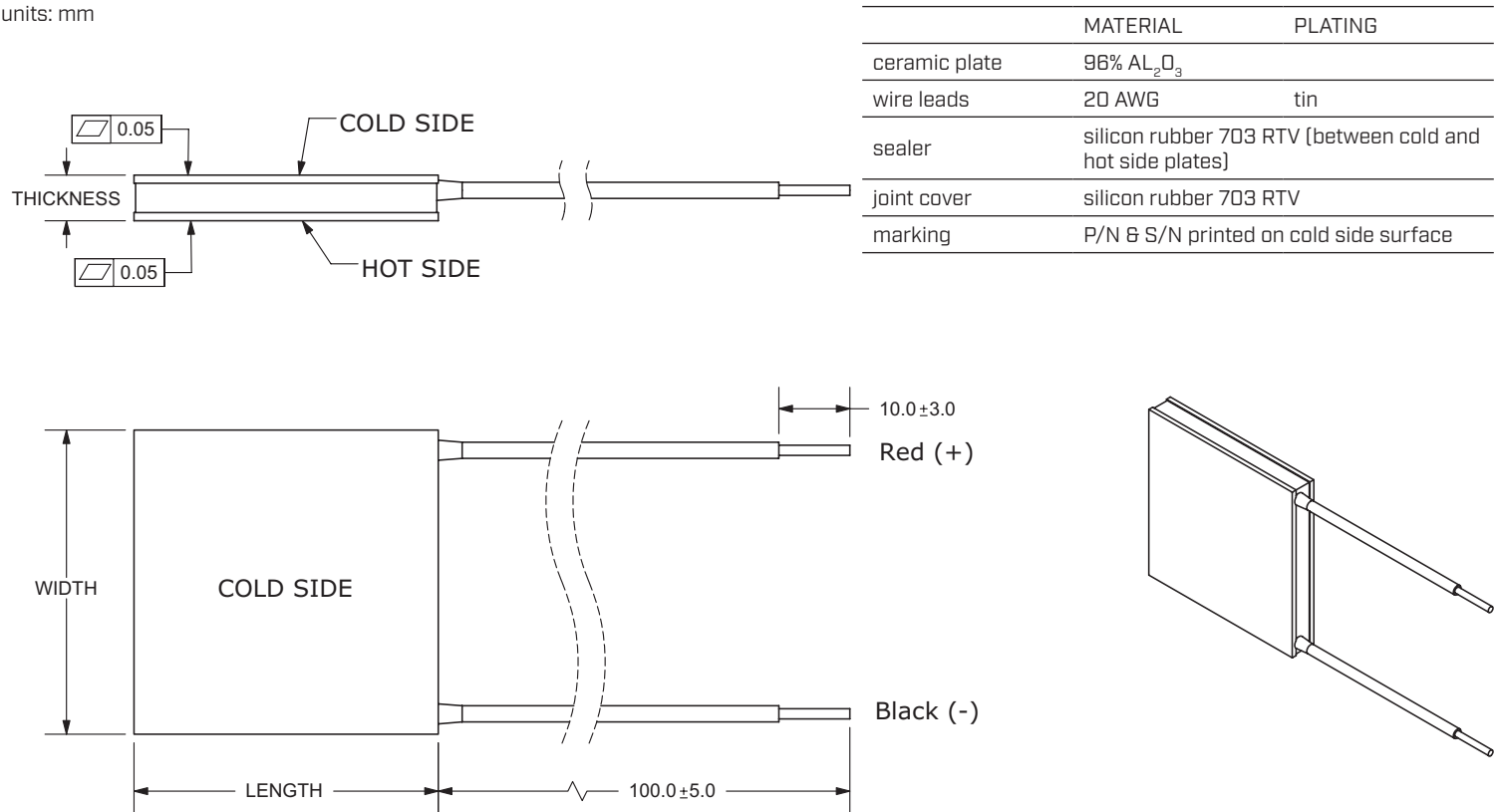
4. Maximum heat absorbed at cold side occurs at I_{max}, V_{max}, and ΔT=0°C

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

SPECIFICATIONS

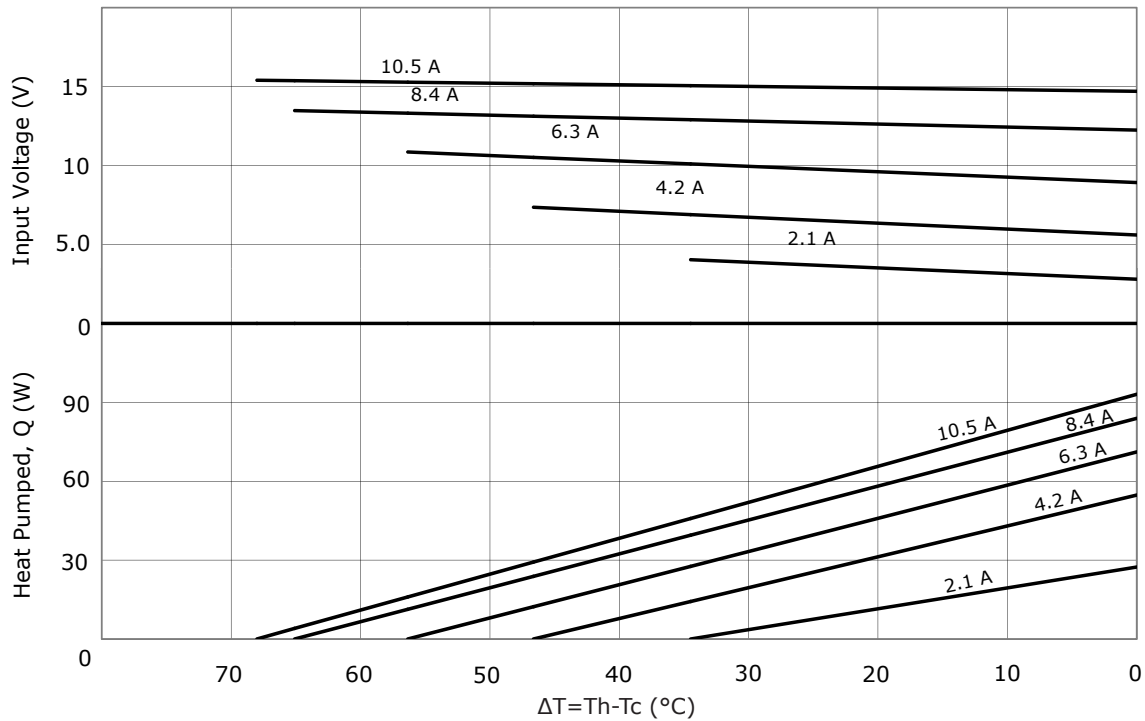
parameter	conditions/description	min	typ	max	units
solder melting temperature	connection between thermoelectric pairs	235			°C
assembly compression				1	MPa
hot side plate				100	°C
RoHS	yes				

MECHANICAL DRAWING

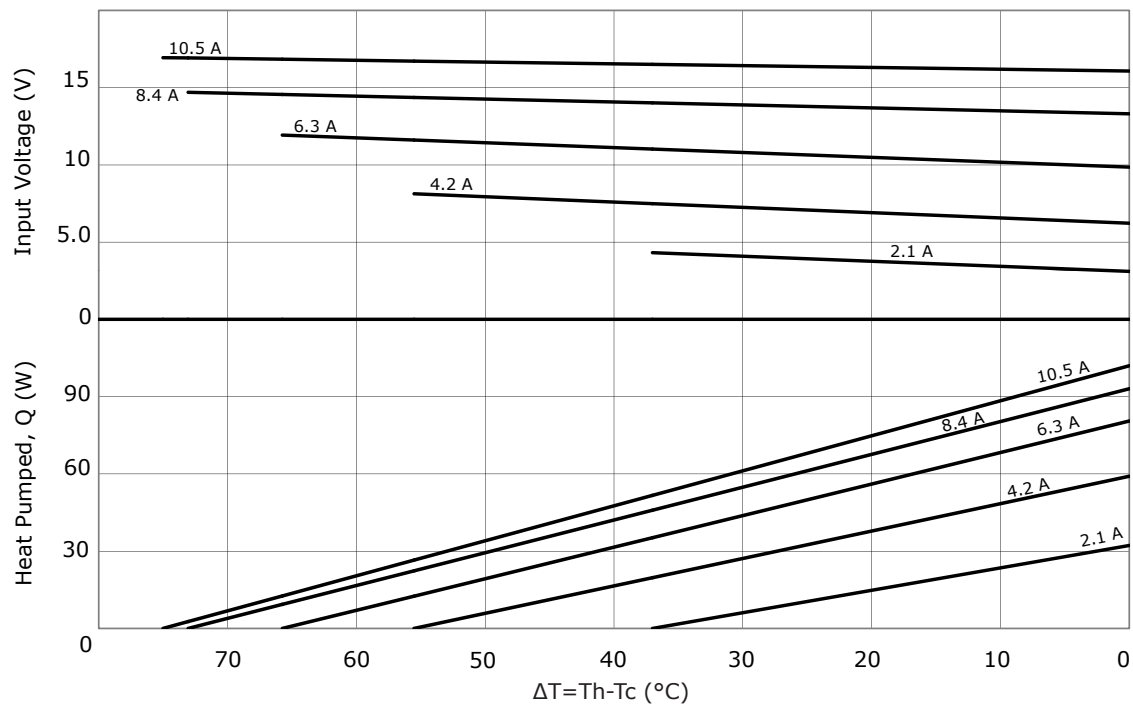


MODEL NO.	LENGTH [mm]	WIDTH [mm]	THICKNESS [mm]
CP105433H	40 ±0.3	40 ±0.3	3.3 ±0.1
CP1054033H	40 ±0.3	40 ±0.3	3.3 ±0.1

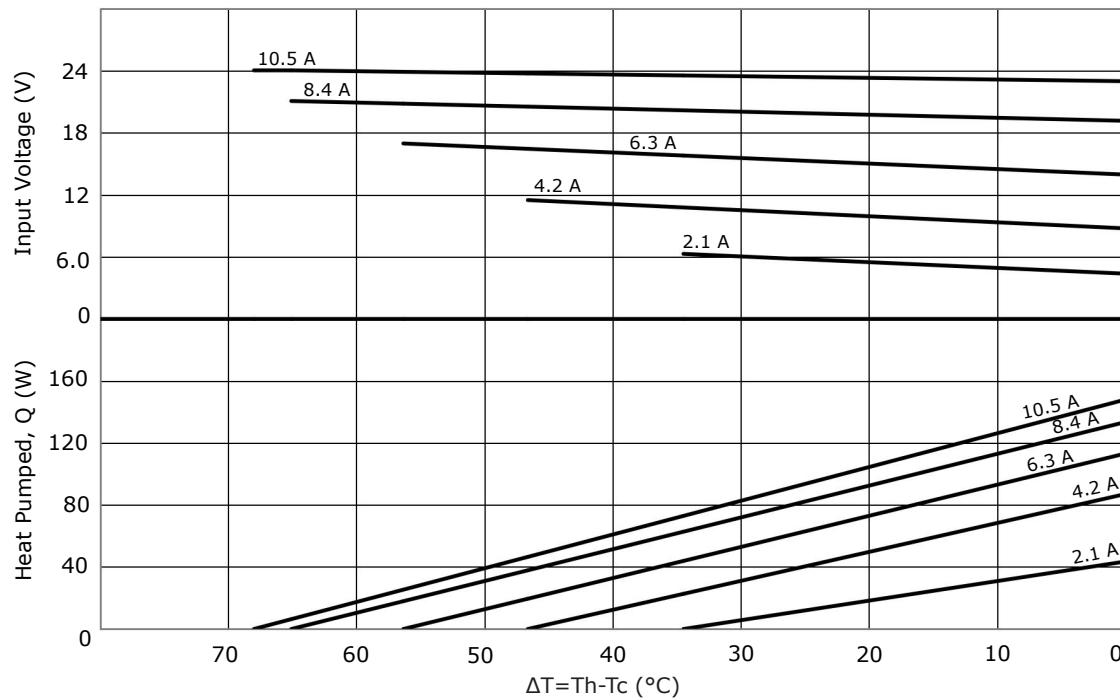
CP105433H PERFORMANCE (Th=27°C)



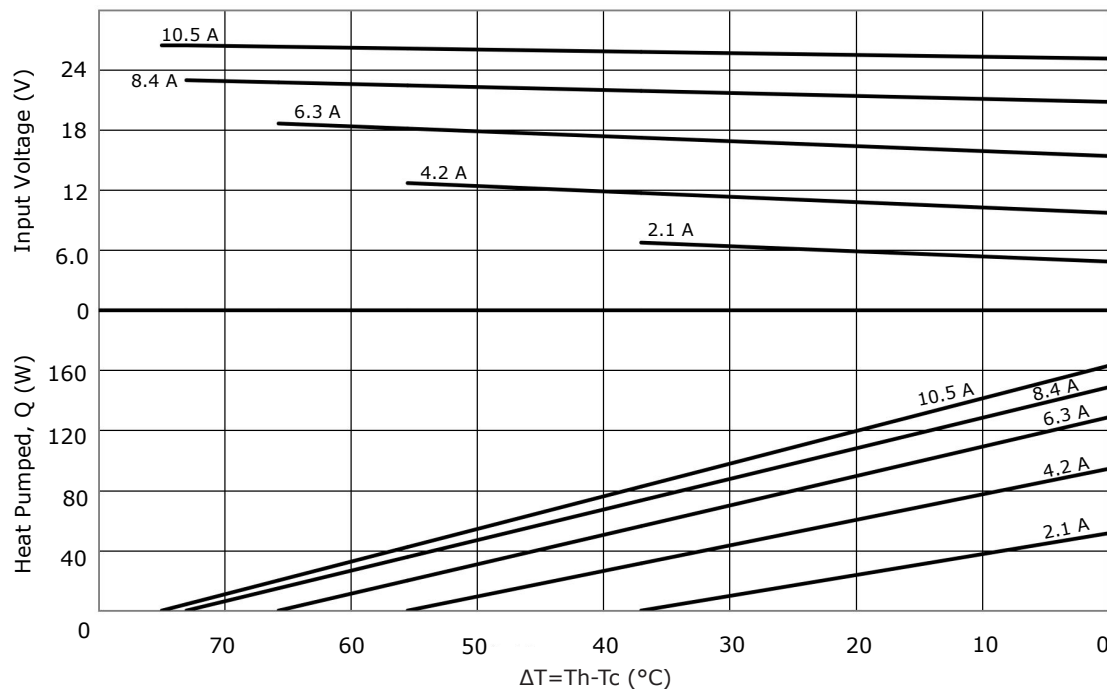
CP105433H PERFORMANCE (Th=50°C)



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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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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