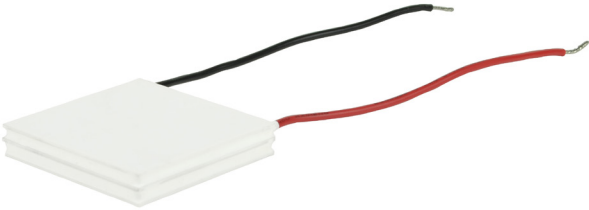




SERIES: CP85-2 | DESCRIPTION: PELTIER MODULE

FEATURES

- solid state device
- 2-stage cooler
- precise temperature control
- quiet operation

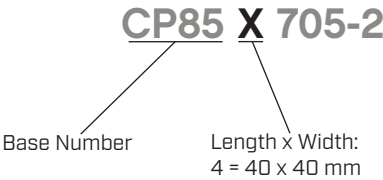


MODEL

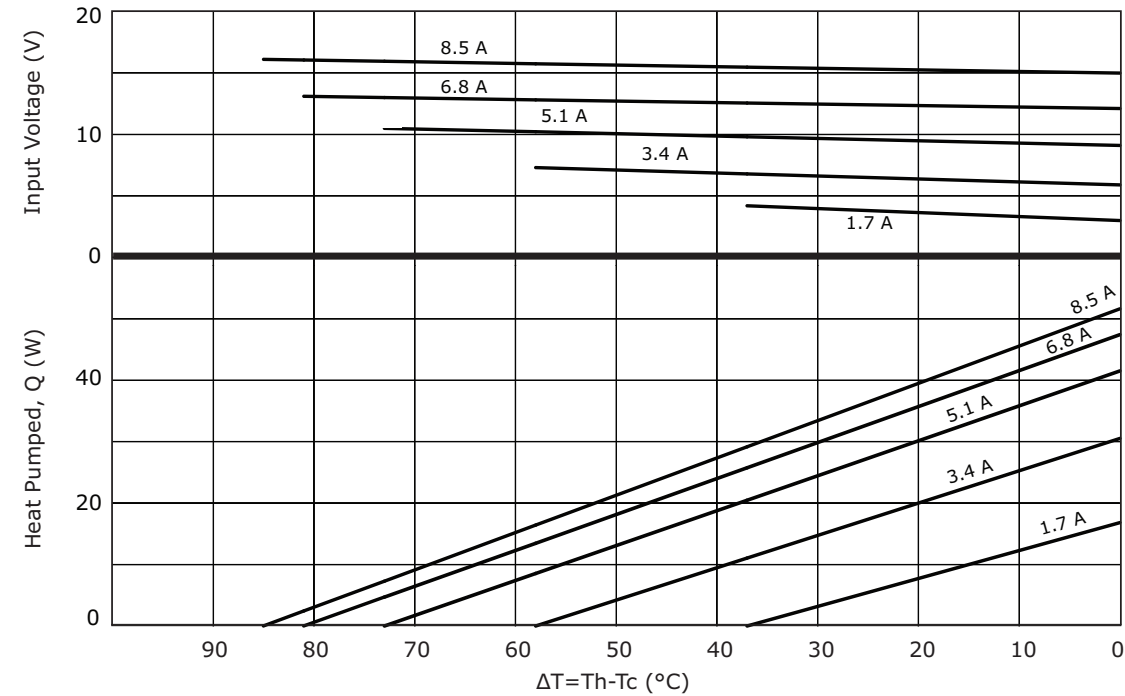
	input voltage ¹ max [Vdc]	input current ² max [A]	$T_h=27^{\circ}\text{C}$ [W]	output Q_{max}^3 $T_h=50^{\circ}\text{C}$ [W]	$T_h=27^{\circ}\text{C}$ [°C]	output ΔT_{max}^4 $T_h=50^{\circ}\text{C}$ [°C]
CP854705-2	16.1	8.5	51.6	58	85	95

Notes: 1. Maximum voltage at ΔT_{max} and $T_h=27^{\circ}\text{C}$
2. Maximum current to achieve ΔT_{max}
3. Maximum heat absorbed at cold side occurs at I_{max} , V_{max} , and $\Delta T=0^{\circ}\text{C}$
4. Maximum temperature difference occurs at I_{max} , V_{max} , and $Q=0\text{W}$ (ΔT_{max} measured in a vacuum at 1.3 Pa)

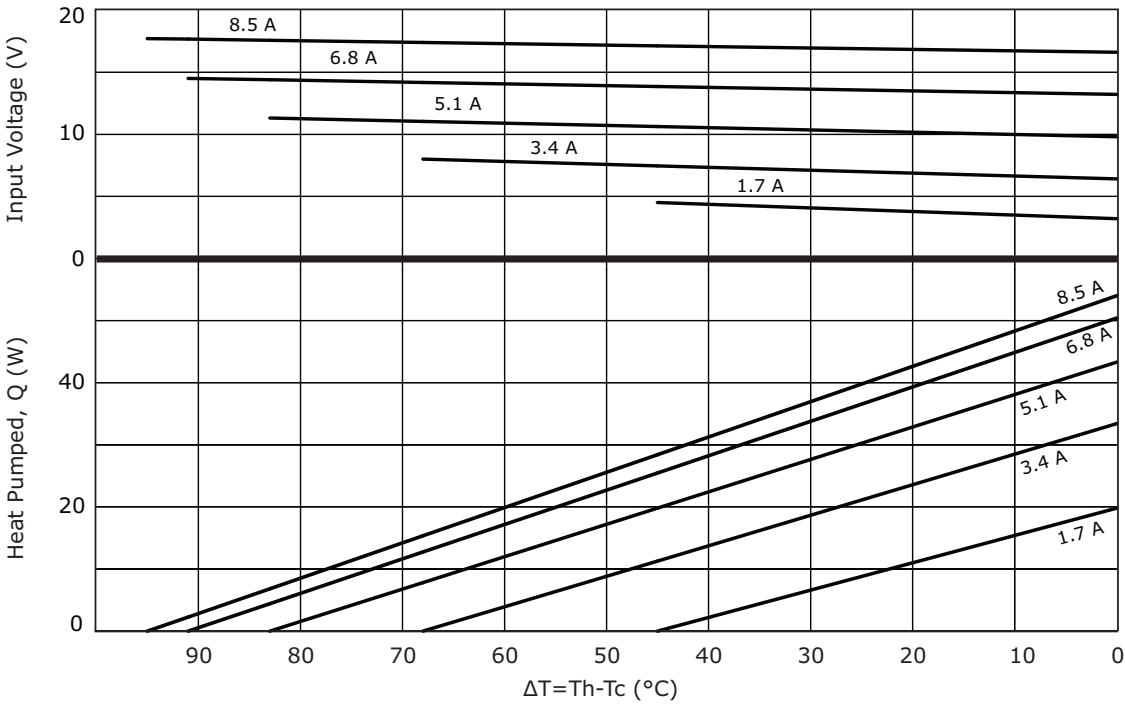
PART NUMBER KEY



PERFORMANCE (Th=27°C)



PERFORMANCE (Th=50°C)



REVISION HISTORY

rev.	description	date
1.0	initial release	09/12/2016
1.01	brand update	10/30/2019
1.02	updated solder melting point	08/24/2021
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.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

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.

[sameskydevices.com](https://www.sameskydevices.com)