Additional Resources: Product Page



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SERIES: CP125 | DESCRIPTION: PELTIER MODULE

FEATURES

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



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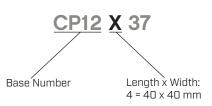
MODEL	input voltage ¹	input current ²	output Qmax³			:put nax⁴
	max (Vdc)	max [A]	T _h =27°C (W)	T _h =50°C [₩]	T_h=27℃ (℃)	T _h =50°C (°C)
CP12437	15.4	12.5	110	121	68	75

Notes: 1. Maximum voltage at ΔT max and T_h=27°C 2. Maximum current to achieve ΔT max

3. Maximum heat absorbed at cold side occurs at I_{max} , V_{max} and Δ T=0°C 4. Maximum temperature difference occurs at I_{max} , V_{max} and Q=0W (Δ T max measured in a vacuum at 1.3 Pa)

PART NUMBER KEY

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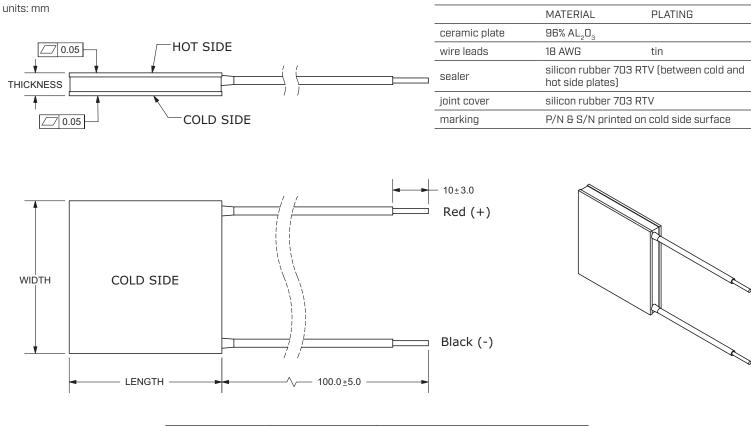
SPECIFICATIONS

conditions/description	min	typ	max	units
	0.855	0.95	1.045	Ω
connection between thermoelectric pairs	235			°C
			1	MPa
			80	°C
yes				
	connection between thermoelectric pairs	0.855 connection between thermoelectric pairs 235	0.855 0.95 connection between thermoelectric pairs 235	0.855 0.95 1.045 connection between thermoelectric pairs 235 1 1 80

Note: 1. Measured by AC 4-terminal method at 25°C

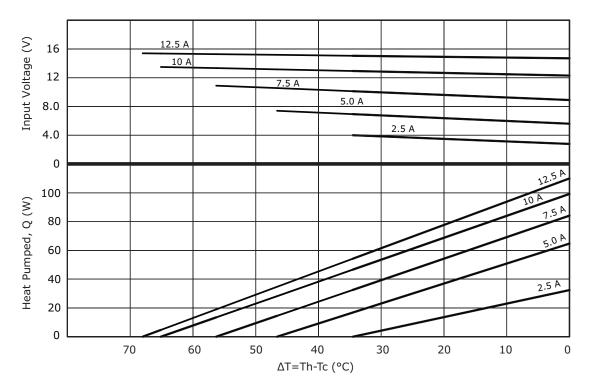
MECHANICAL DRAWING

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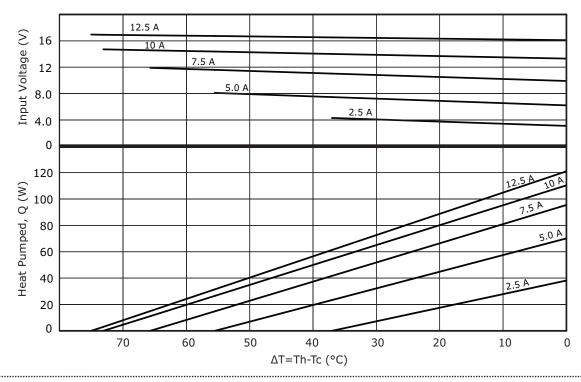


MODEL NO. LENGTH		WIDTH	THICKNESS	
(mm)		(mm)	(mm)	
CP12437	40 ±0.3	40 ±0.3	3.7 ±0.1	

PERFORMANCE (Th=27°C)



PERFORMANCE (Th=50°C)



REVISION HISTORY

rev.	description	date
1.0	initial release	09/08/2016
1.01	changed to arcTEC™ structure	12/01/2017
1.02	brand update	10/28/2019
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

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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.