

Additional Resources: Product Page

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MODEL: CP039-4036 | DESCRIPTION: PELTIER MODULE

FEATURES

- arcTEC™ structure
- silicone sealed
- wide ∆T max
- low profile
- precise temperature control
- · solid state construction





SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input voltage ¹				29.8	V
input current ²				3.9	А
internal resistance ³		5.2	5.7	6.2	Ω
Qmax⁴	Th = 27°C Th = 50°C			66.8 73.5	W W
ΔTmax⁵	Th = 27°C Th = 50°C			70 77	°C °C
solder melting temperature	connection between thermoelectric pairs	235			°C
assembly compression				1	MPa
hot side plate				100	°C
RoHS	Ves				

Notes:

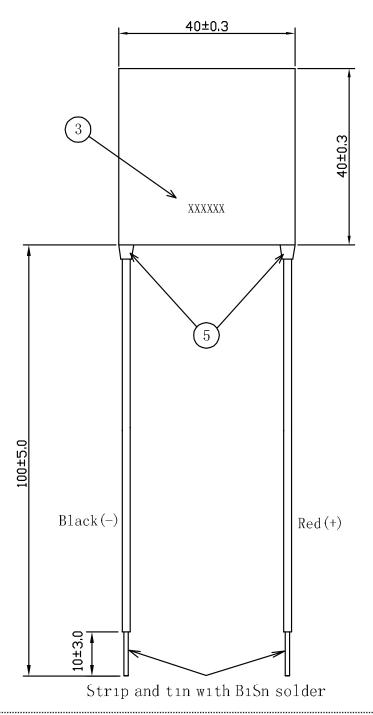
- 1. Maximum voltage at ΔT max and T_s=27°C
- 2. Maximum current to achieve ΔT max

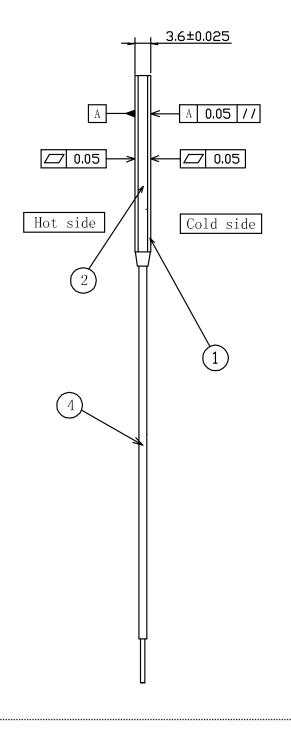
- 2. Measured by AC 4-terminal method at 25°C 4. Maximum heat absorbed at cold side occurs at I_{max} , V_{max} , and ΔT =0°C 5. Maximum temperature difference occurs at I_{max} , V_{max} , and Q=0 W (ΔT max measured in a vacuum at 1.3 Pa)

MECHANICAL DRAWING

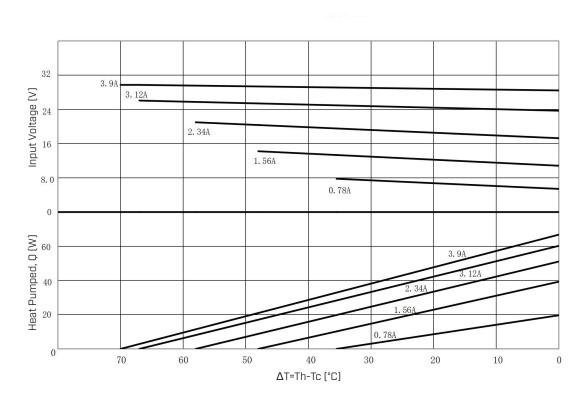
units: mm

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR	
1	ceramic plate	96% AL ₂ O ₃	white	
2	sealer	silicon rubber 703 RTV (between cold and hot side plates)		
3	marking	P/N & S/N printed on cold side surface		
4	wire leads	22 AWG (105°C max)	tin	
5	joint cover	silicon rubber 703 R	TV	

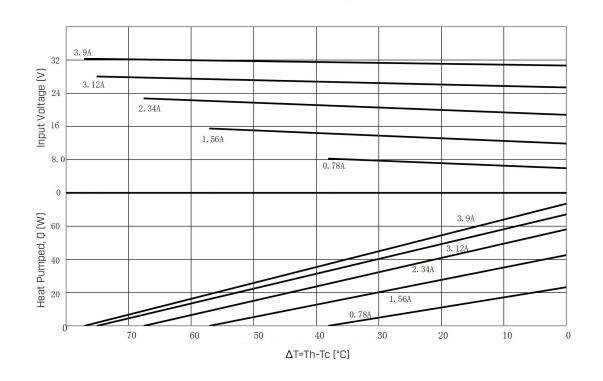




PERFORMANCE (Th=27°C)



PERFORMANCE (Th=50°C)



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SAME SKY | MODEL: CP039-4036 | DESCRIPTION: PELTIER MODULE

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REVISION HISTORY

rev.	description	date
1.0	initial release	10/24/2024

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.

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