Additional Resources: Product Page



MODEL: CP039-2332 | DESCRIPTION: PELTIER MODULE

FEATURES

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



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SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input voltage ¹				8.8	V
input current ²				3.9	А
internal resistance ³		1.76	1.95	2.15	Ω
Qmax⁴	Th = 27°C Th = 50°C			18.7 20.9	W W
∆Tmax⁵	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				

RoHS

1. Maximum voltage at Δ T max and T_b=27°C Notes:

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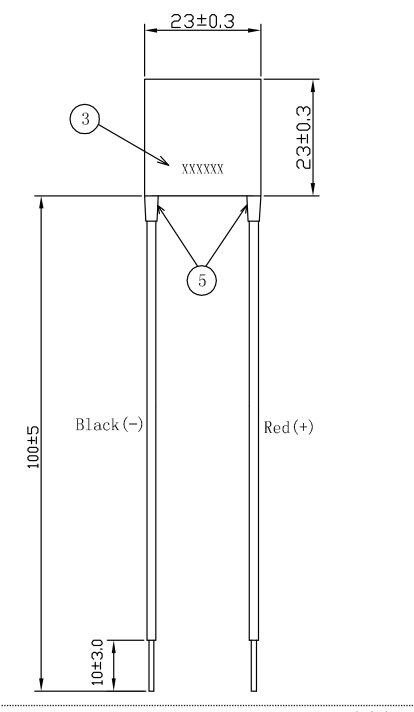
2. Maximum current to achieve ΔT max

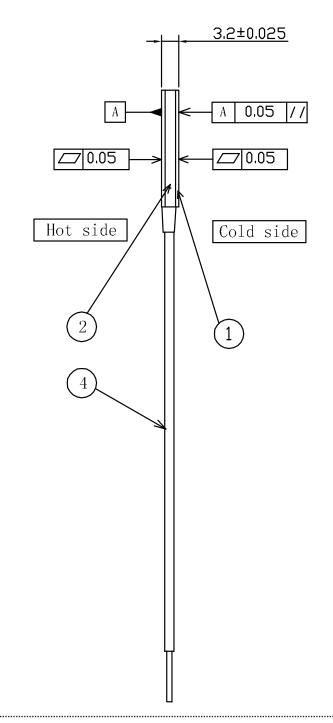
2. Maximum current of a times at times 3. Measured by AC 4-terminal method at 25°C 4. Maximum heat absorbed at cold side occurs at I_{max} , V_{max} , and Δ T=0°C 5. Maximum temperature difference occurs at I_{max} , V_{max} , and Q=0 W (Δ T max measured in a vacuum at 1.3 Pa)

MECHANICAL DRAWING

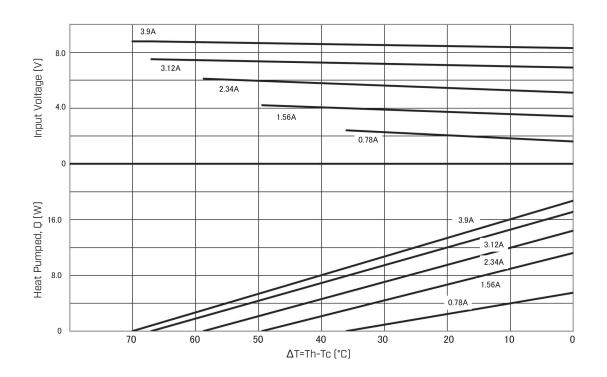
units: mm

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)		
З	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	

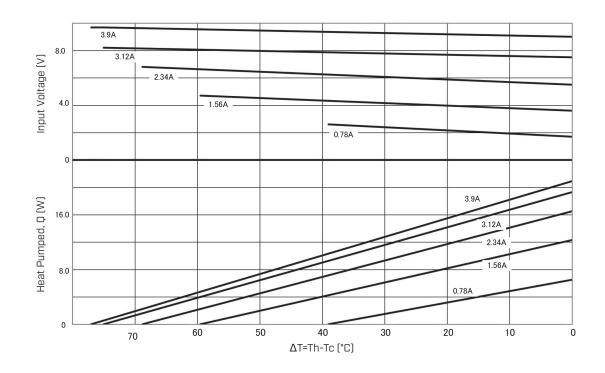




PERFORMANCE (Th=27°C)



PERFORMANCE (Th=50°C)



REVISION HISTORY

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

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:

CP039-2332