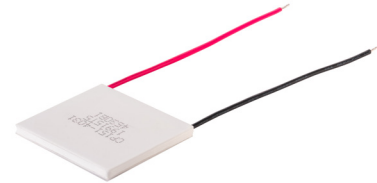


**MODEL:** CP151-4031 | **DESCRIPTION:** PELTIER MODULE**FEATURES**

- arcTEC™ structure
- silicone sealed
- wide  $\Delta T$  max
- low profile
- precise temperature control
- solid state construction

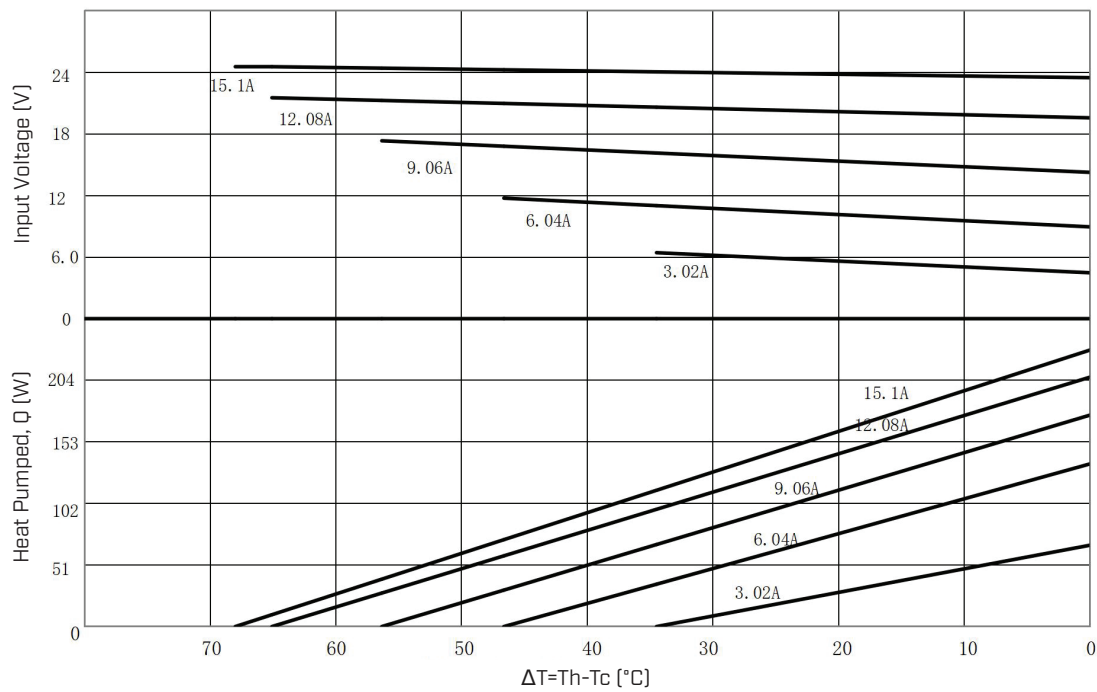
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
input voltage <sup>1</sup>				24.6	V
input current <sup>2</sup>				15.1	A
internal resistance <sup>3</sup>		1.13	1.25	1.38	$\Omega$
Qmax <sup>4</sup>	Th = 27°C			229	W
	Th = 50°C			251	W
$\Delta T$ max <sup>5</sup>	Th = 27°C			68	°C
	Th = 50°C			75	°C
solder melting temperature	connection between thermoelectric pairs	235			°C
assembly compression				1	MPa
hot side plate				100	°C
RoHS	yes				

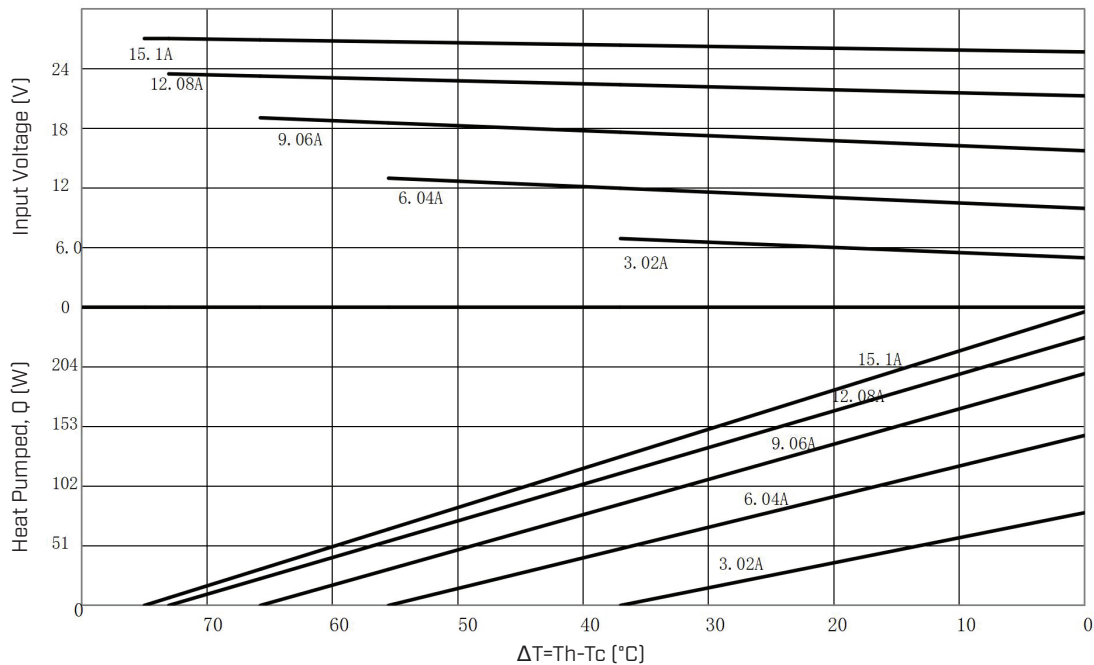
Notes: 1. Maximum voltage at  $\Delta T$  max and  $T_s=27^\circ\text{C}$   
2. Maximum current to achieve  $\Delta T$  max  
3. Measured by AC 4-terminal method at 25°C  
4. Maximum heat absorbed at cold side occurs at  $I_{\text{max}}$ ,  $V_{\text{max}}$ , and  $\Delta T=0^\circ\text{C}$   
5. Maximum temperature difference occurs at  $I_{\text{max}}$ ,  $V_{\text{max}}$ , and  $Q=0$  W ( $\Delta T$  max measured in a vacuum at 1.3 Pa)



PERFORMANCE (Th=27°C)



PERFORMANCE (Th=50°C)



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.

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