

date 09/08/2016

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DESCRIPTION: PELTIER MODULE SERIES: CP150

FEATURES

- solid state device
- precise temperature control
- quiet operation





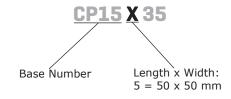
MODEL	input voltage¹	•		output Qmax³		output ∆Tmax⁴	
	max (Vdc)	max (A)	T _h =27°C (W)	T _h =50°C (W)	T_h=27°C (°C)	T _h =50°C (°C)	
CP15535	15.4	15	130	145	68	75	

Notes:

- 1. Maximum voltage at ΔT max and $T_h {=}\, 27^{\circ} C$ 2. Maximum current to achieve ΔT max

- 3. Maximum heat absorbed at cold side occurs at $I_{max'}$ $V_{max'}$ and $\Delta T=0$ °C 4. Maximum temperature difference occurs at $I_{max'}$ $V_{max'}$ and Q=0W (ΔT max measured in a vacuum at 1.3 Pa)

PART NUMBER KEY



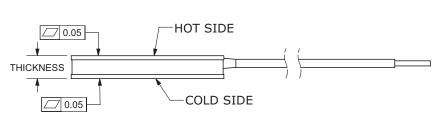
units: mm

SPECIFICATIONS

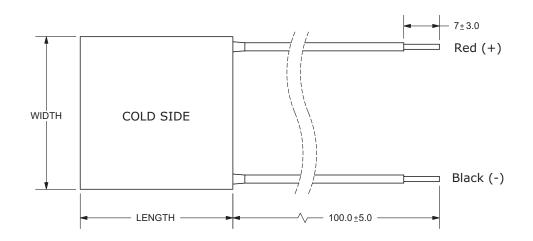
parameter	conditions/description	min	typ	max	units
internal resistance ¹		0.756	0.84	0.924	Ω
solder melting temperature	connection between thermoelectric pairs	138			°C
assembly compression				1	MPa
hot side plate				80	°C
RoHS	2011/65/EU				

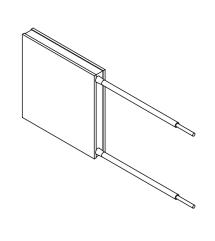
1. Measured by AC 4-terminal method at 25°C

MECHANICAL DRAWING



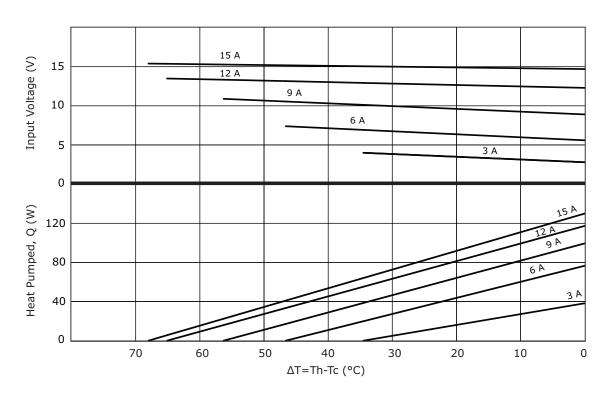
	MATERIAL	PLATING		
ceramic plate	96% AL ₂ O ₃			
wire leads	18 AWG	tin		
sealer		silicon rubber 703 RTV (between cold and hot side plates)		
joint cover	silicon rubber 703 RTV			
marking	P/N & S/N print surface	P/N & S/N printed on cold side surface		



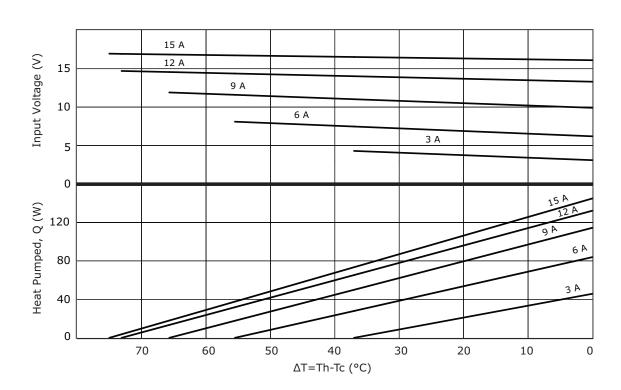


MODEL NO.	LENGTH (mm)	WIDTH (mm)	THICKNESS (mm)
CP15535	50 ±0.3	50 ±0.3	3.75 ±0.1

PERFORMANCE (Th=27°C)



PERFORMANCE (Th=50°C)



REVISION HISTORY

rev.	description	date
1.0	initial release	09/08/2016

The revision history provided is for informational purposes only and is believed to be accurate.



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CUI offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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