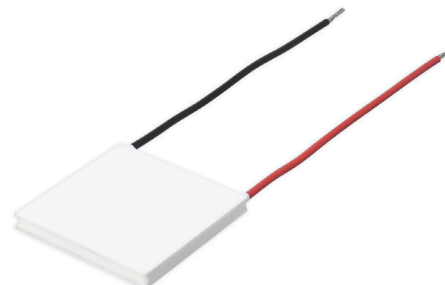


SERIES: CP200 | **DESCRIPTION:** PELTIER MODULE**FEATURES**

- arcTEC™ structure
- enhanced reliability for high thermal cycling
- high I_{max} rating of 20 A
- silicon sealed
- wide ΔT_{max}
- precise temperature control
- solid state construction

**MODEL**

MODEL	input voltage ¹ max (Vdc)	input current ² max (A)	internal resistance ³ typ ($\Omega \pm 10\%$)	output Qmax ⁴		output ΔT_{max} ⁵	
				$T_h=27^\circ\text{C}$ (W)	$T_h=50^\circ\text{C}$ (W)	$T_h=27^\circ\text{C}$ ($^\circ\text{C}$)	$T_h=50^\circ\text{C}$ ($^\circ\text{C}$)
CP200543636	8.5	20	0.33 \pm 0.05	96	105	70	77

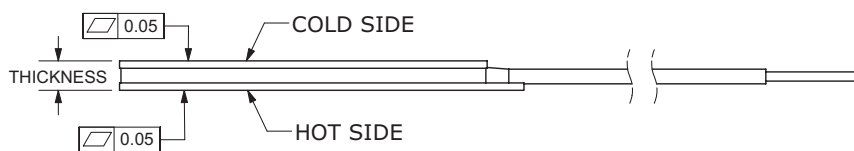
- Notes:
1. Maximum voltage at ΔT_{max} and $T_h=27^\circ\text{C}$
 2. Maximum current to achieve ΔT_{max}
 3. Measured by AC 4-terminal method at 25°C
 4. Maximum heat absorbed at cold side occurs at I_{max} , V_{max} , and $\Delta T=0^\circ\text{C}$
 5. Maximum temperature difference occurs at I_{max}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

SPECIFICATIONS

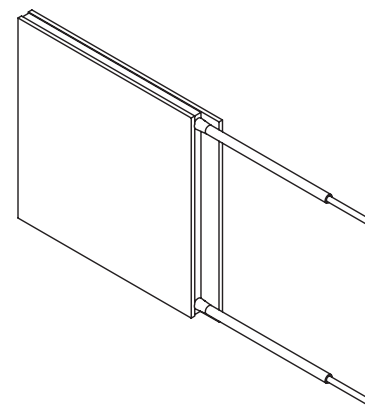
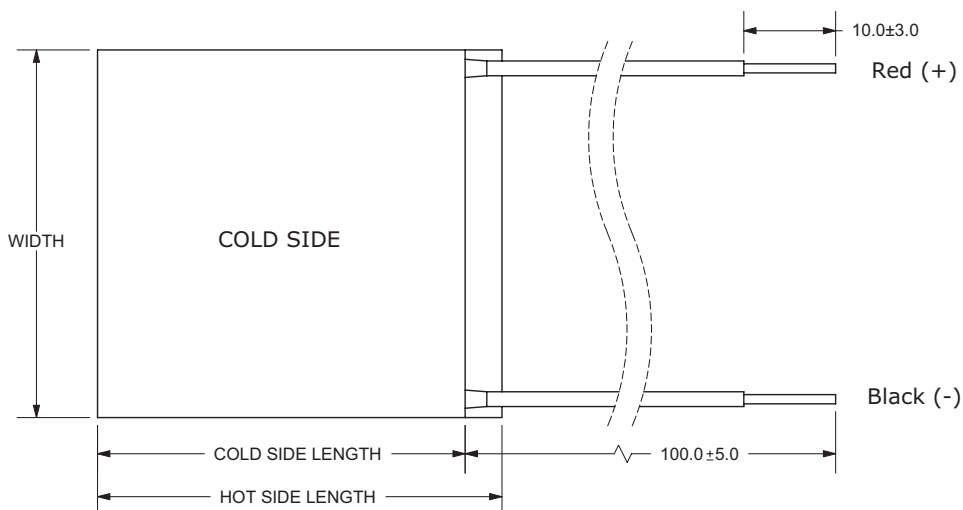
parameter	conditions/description	min	typ	max	units
solder melting temperature	connection between thermoelectric pairs	235			°C
assembly compression				1	MPa
RoHS	yes				

MECHANICAL DRAWING

units: mm

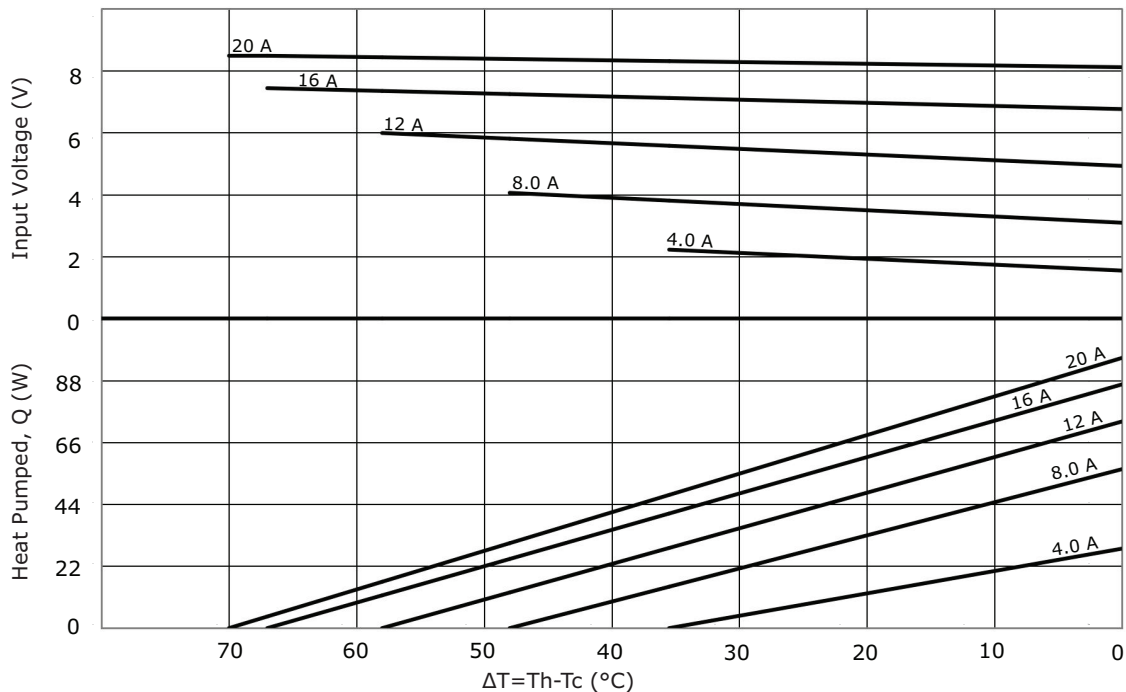


	MATERIAL	PLATING
ceramic plate	96% Al_2O_3	
wire leads	18 AWG	tin
sealer	silicon rubber 703 RTV (between cold and hot side plates)	
joint cover	silicon rubber 703 RTV	
marking	P/N & S/N printed on cold side surface	

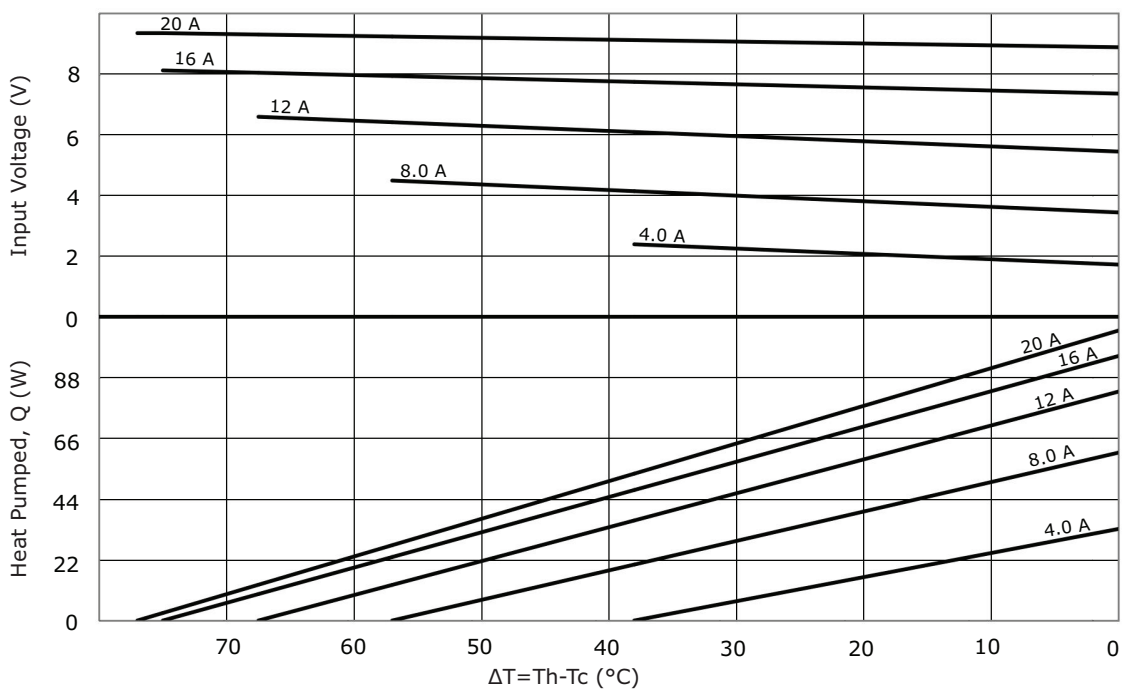


MODEL NO.	HOT SIDE LENGTH (mm)	COLD SIDE LENGTH (mm)	WIDTH (mm)	THICKNESS (mm)
CP200543636	54 ±0.3	50 ±0.3	36 ±0.3	3.6 ±0.025

CP200543636 PERFORMANCE (Th=27°C)



CP200543636 PERFORMANCE (Th=50°C)



REVISION HISTORY

rev.	description	date
1.0	initial release	11/12/2020

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

CUI DEVICES

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

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