

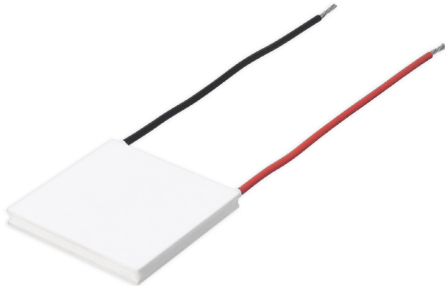


SERIES: CP200

| 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

	input voltage ¹ max [Vdc]	input current ² max [A]	internal resistance ³ typ [Ω±10%]	output Q _{max} ⁴		output ΔT _{max} ⁵	
				T _h =27°C [W]	T _h =50°C [W]	T _h =27°C [°C]	T _h =50°C [°C]
CP200543636	8.5	20	0.33±0.05	96	105	70	77

Notes:

1. Maximum voltage at ΔT_{max} and T_h=27°C

2. Maximum current to achieve ΔT_{max}

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

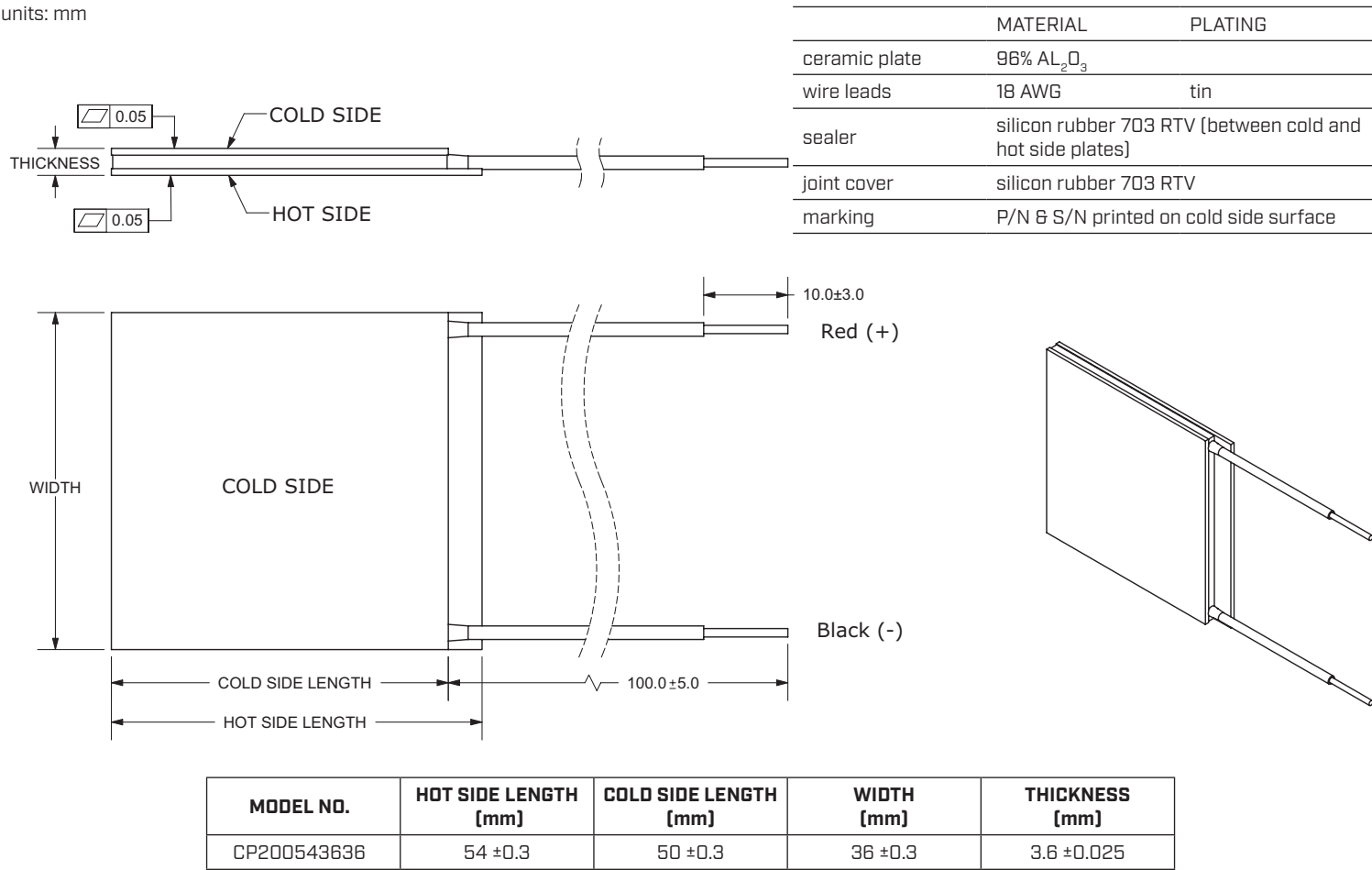
4. Maximum heat absorbed at cold side occurs at I_{max}, V_{max}, and ΔT=0°C

5. Maximum temperature difference occurs at I_{max}, V_{max}, and Q=0W (ΔT_{max} measured in a vacuum at 1.3 Pa)

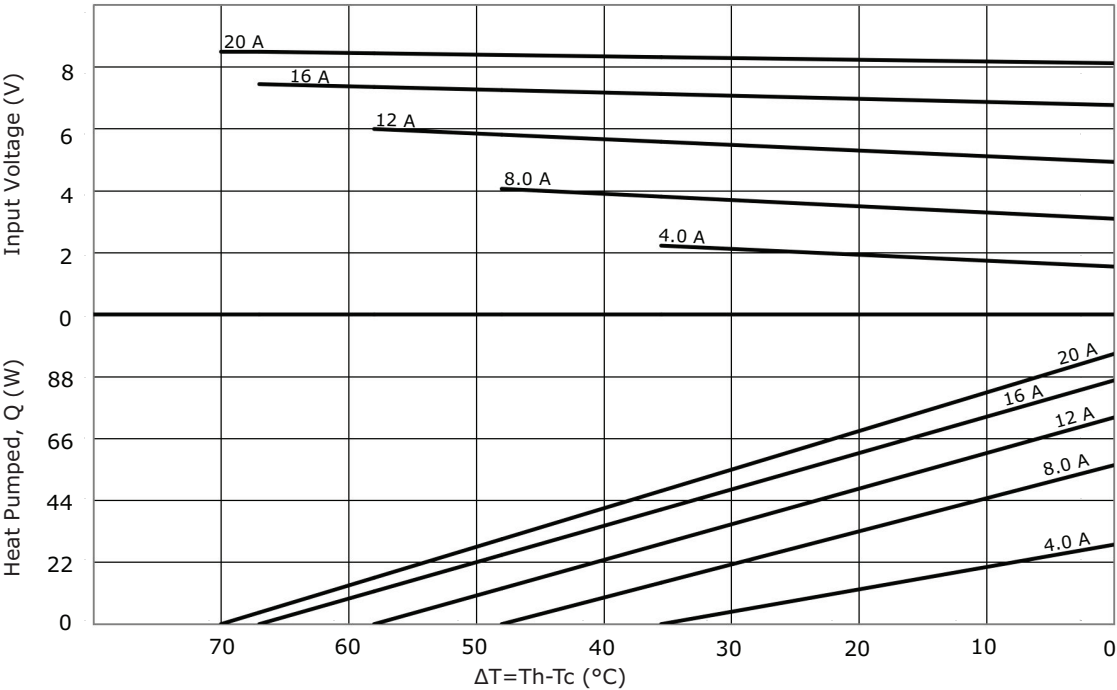
SPECIFICATIONS

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

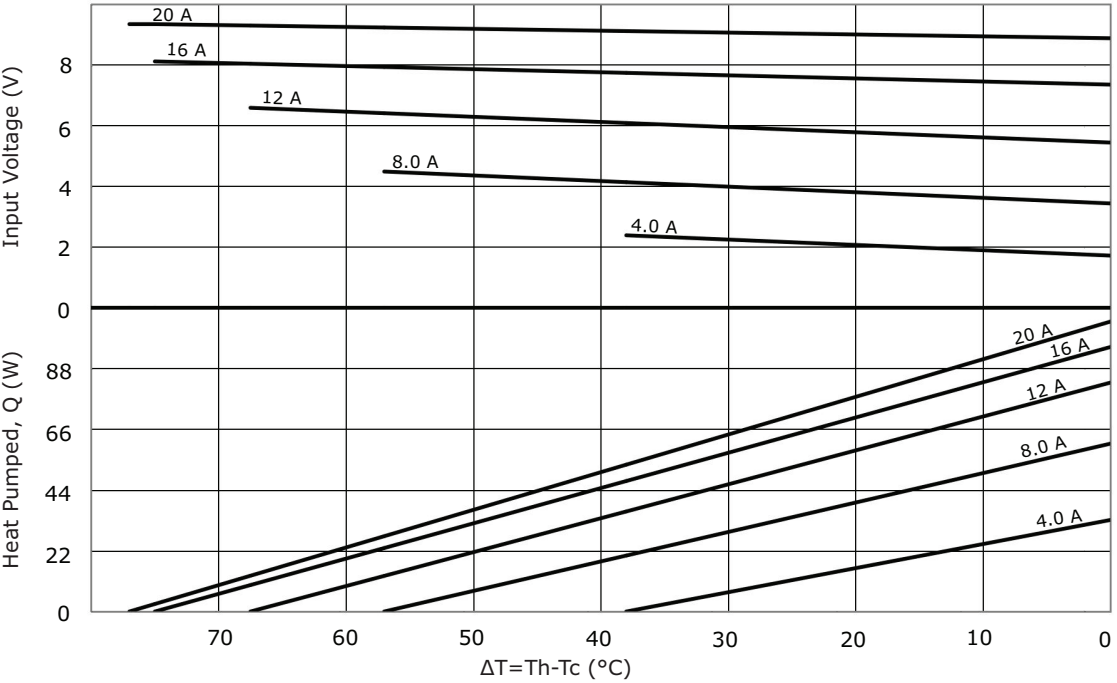
MECHANICAL DRAWING



CP200543636 PERFORMANCE (Th=27°C)



CP200543636 PERFORMANCE (Th=50°C)



REVISION HISTORY

rev.	description	date
1.0	initial release	11/12/2020
1.01	logo, datasheet style update	08/05/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024

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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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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