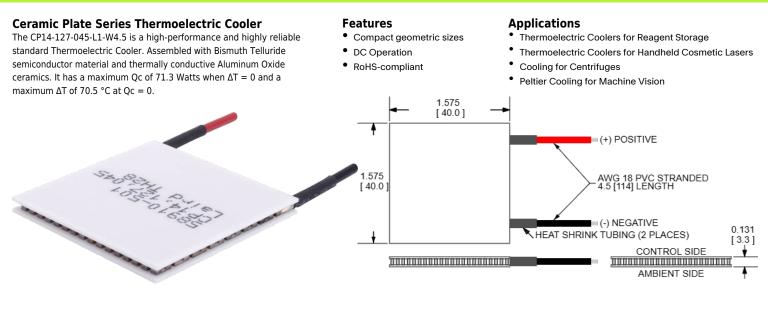


2.00

Ceramic Plate Series CP14-127-045-L1-W4.5 MFG Part Number: 56910-502



CERAMIC MATERIAL: Al₂O₃ SOLDER CONSTRUCTION: 138°C, BiSn

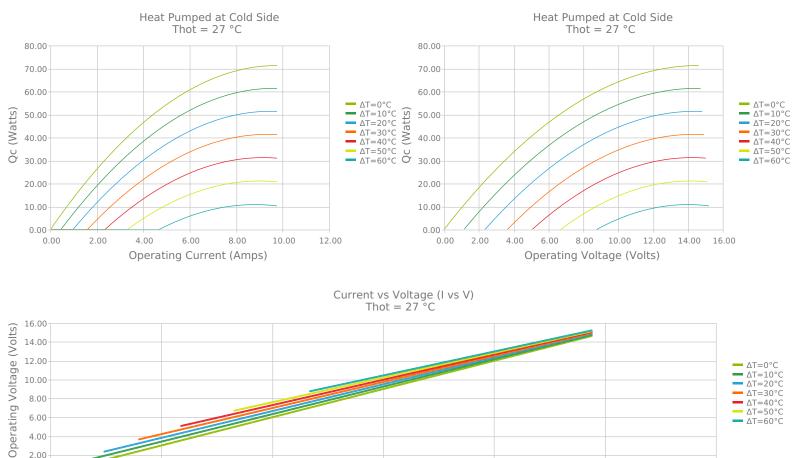
INCHES [MM]

Electrical and Thermal Performance

2.00

4.00

For maximum performance, be sure to orient the CONTROL side of the TEC against the application to be managed and the AMBIENT side against the heat sink or other heat rejection method. The CONTROL side is always opposite the side with lead attachments. Lead attachment is a passive heat loss and less impactful if located on the side that attaches to the heat exchanger.



6.00

Operating Current (Amps)

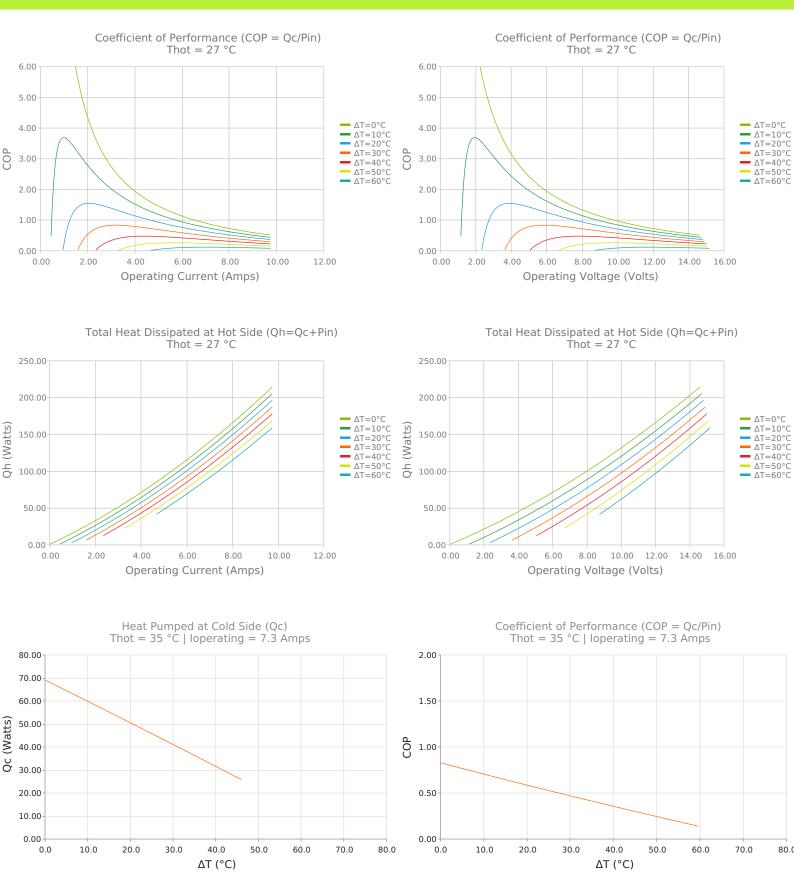
8.00

10.00

12.00



Ceramic Plate Series CP14-127-045-L1-W4.5 MFG Part Number: 56910-502





Specifications

Hot Side Temperature	27.0 °C	35.0 °C	50.0 °C
$Qcmax (\Delta T = 0)$	71.3 Watts	73.5 Watts	77.3 Watts
$\Delta Tmax (Qc = 0)$	70.5°C	73.5°C	78.8°C
lmax (I @ ΔTmax)	8.6 Amps	8.6 Amps	8.5 Amps
Vmax (V @ ΔTmax)	13.9 Volts	14.4 Volts	15.4 Volts
Module Resistance	1.50 Ohms	1.56 Ohms	1.68 Ohms
Max Operating Temperature	80 °C		
Weight	20.0 gram(s)		

Finishing Options

Suffix	Thickness	Flatness / Parallelism	Hot Face	Cold Face	Lead Length
L1	3.327 ±0.025 mm 0.131 ± 0.0010 in	0.025 mm / 0.025 mm 0.001 in / 0.001 in	Lapped	Lapped	114.3 mm 4.50 in

Sealing Options

Suffix	Sealant	Color	Temp Range	Description
	None			No sealing specified

Notes

Max operating temperature: 80°C Do not exceed Imax or Vmax when operating module Reference assembly guidelines for recommended installation Solder tinning also available on metallized ceramics

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Revision: 00 Date: 06-01-2022

Print Date: 05-16-2025

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