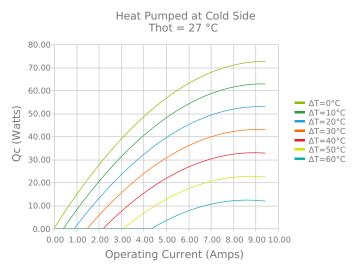


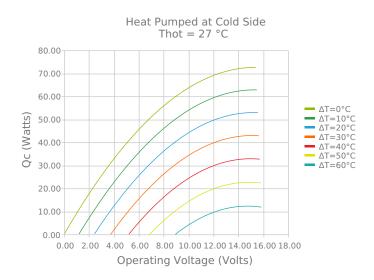
CERAMIC MATERIAL: Al₂O₃ SOLDER CONSTRUCTION: 138°C, BiSn

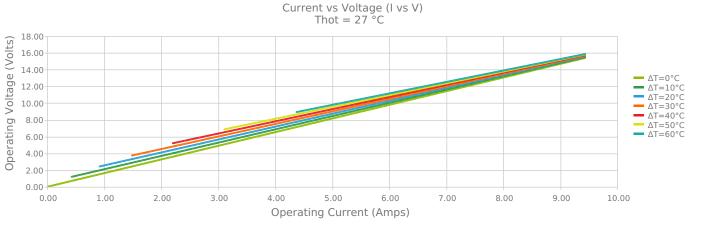
INCHES [ MM ]

Note: Allow 0.020 in [0.5 mm] around perimeter of the thermoelectric cooler and lead wire attachment to accommodate sealant

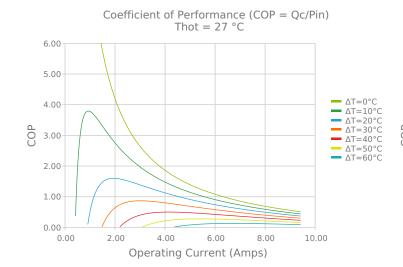
## **ELECTRICAL AND THERMAL PERFORMANCE**

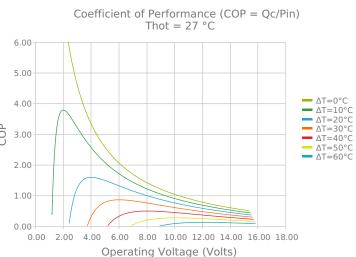


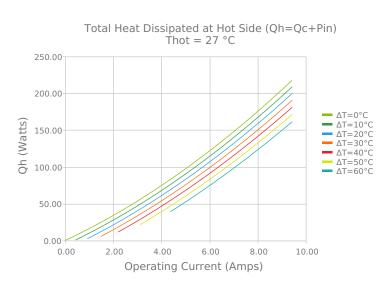


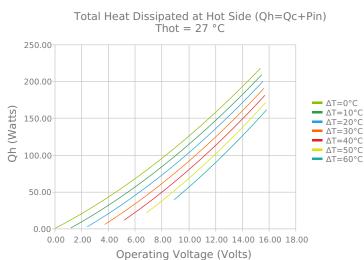


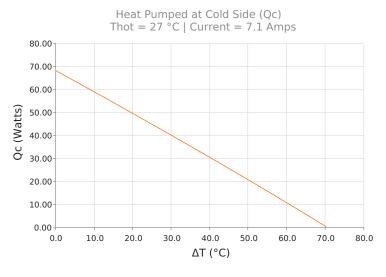


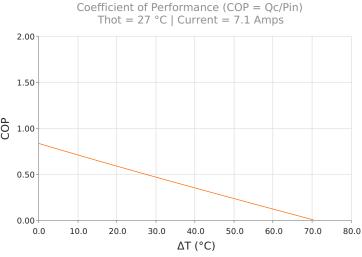














## **SPECIFICATIONS\***

**Hot Side Temperature** 

 $Qcmax (\Delta T = 0)$ 

 $\Delta T max (Qc = 0)$ 

Imax (I @ \Darmax)

Vmax (V @  $\Delta$ Tmax)

**Module Resistance** 

**Max Operating Temperature** 

Weight

27.0 °C	35.0 °C	50.0 °C
72.6 Watts	74.6 Watts	78.1 Watts
71.7°C	74.8°C	80.4°C
8.4 Amps	8.3 Amps	8.2 Amps
14.6 Volts	15.1 Volts	16.2 Volts
1.63 Ohms	1.70 Ohms	1.84 Ohms
80 °C		
26.0 gram(s)		

## **FINISHING OPTIONS**

Suffix	Thickness	Flatness / Parallelism	<b>Hot Face</b>	<b>Cold Face</b>	<b>Lead Length</b>	
ТВ	3.810 ±0.013 mm 0.150 ± 0.0005 in	0.013 mm / 0.013 mm 0.0005 in / 0.0005 in	Lapped	Lapped	203.2 mm 8.00 in	

## **SEALING OPTIONS**

Suffix	Sealant	Color	<b>Temp Range</b>	Description
RT	RTV	Translucent or White	-60 to 204°C	Non-corrosive, silicone adhesive

# **NOTES**

- 1. Max operating temperature: 80°C
- 2. Do not exceed Imax or Vmax when operating module
- 3. Reference assembly guidelines for recommended installation

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Date: 01/08/2022

<sup>\*</sup> Specifications reflect thermoelectric coefficients updated March 2020