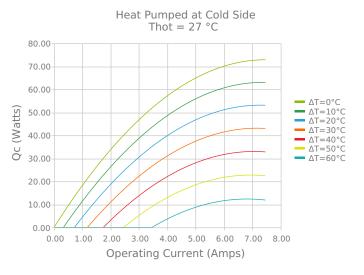
INCHES [MM]

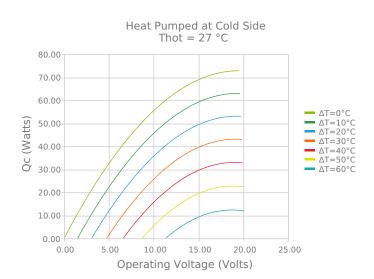


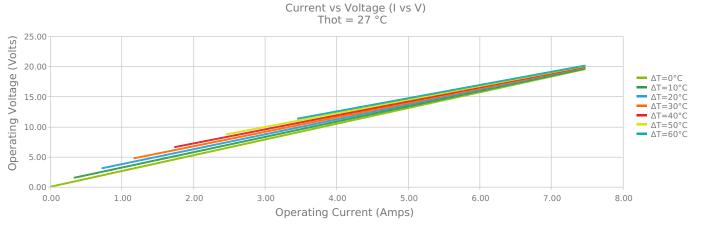
ZT Series Thermoelectric Cooler Features Applications • High temperature differential Peltier Cooling for Refrigerated Centrifuges Note: This product is not recommended for new designs. • Precise temperature control • Peltier Cooling for Machine Vision This product series has been replaced with the HiTemp ETX Series. • Reliable solid-state operation • Thermoelectric Cooling for CMOS Sensors The recommended replacement is: • No sound or vibration • Cooling Solutions for Autonomous Systems Description: ETX7-16-F1-4040-TA-W8 DC operation • Peltier Cooling for Digital Light Processors RoHS-compliant 1.575 [40.0] (+) POSITIVE 1 575 AWG 22 PVC STRANDED [40.0 8.0 [203] LENGTH (-) NEGATIVE 0.130 [3.3] CERAMIC MATERIAL: Al2O3

SOLDER CONSTRUCTION: 138°C, BiSn

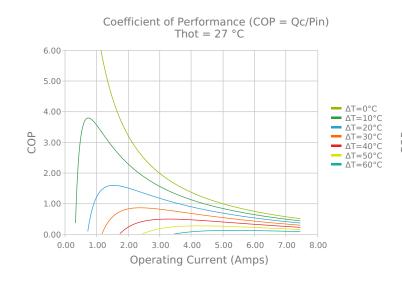
ELECTRICAL AND THERMAL PERFORMANCE

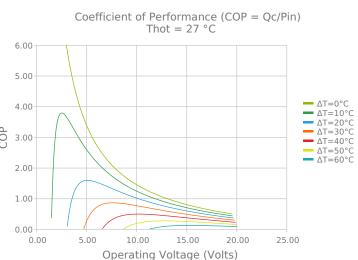


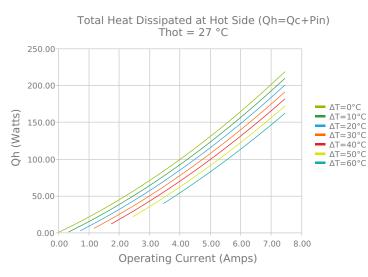


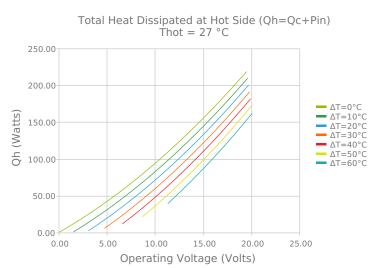


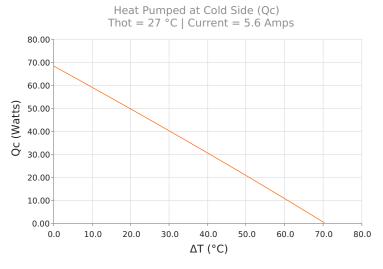


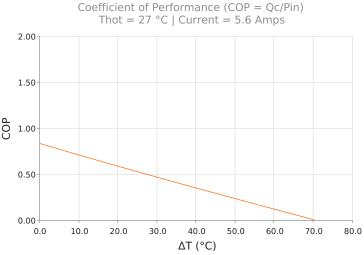














SPECIFICATIONS*

Hot Side Temperature

 $Qcmax (\Delta T = 0)$

 $\Delta T max (Qc = 0)$

Imax (I @ \Darmax)

Vmax (V @ Δ Tmax)

Module Resistance

Max Operating Temperature

Weight

27.0 °C	35.0 °C	50.0 °C
72.9 Watts	74.9 Watts	78.4 Watts
71.7°C	74.8°C	80.4°C
6.7 Amps	6.6 Amps	6.5 Amps
18.5 Volts	19.2 Volts	20.5 Volts
2.61 Ohms	2.73 Ohms	2.94 Ohms
80 °C		
19.0 gram(s)		

FINISHING OPTIONS

Suffi	x Thickness	Flatness / Parallelism	Hot Face	Cold Face	Lead Length
TA $3.300 \pm 0.025 \text{ mm}$ $0.130 \pm 0.0010 \text{ in}$		0.025 mm / 0.025 mm 0.001 in / 0.001 in	Lapped	Lapped	203.2 mm 8.00 in

SEALING OPTIONS

Suffix	Sealant	Color	Temp Range	Description
None				No sealing specified

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

^{*} Specifications reflect thermoelectric coefficients updated March 2020