INCHES [ MM ]

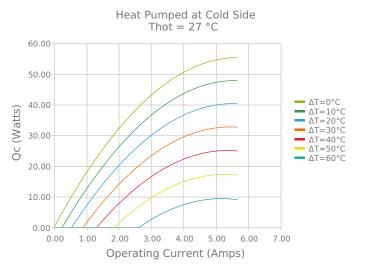


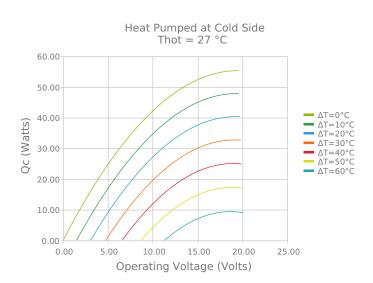
#### **ZT Series Thermoelectric Cooler Features Applications** • High temperature differential Peltier Cooling for Refrigerated Centrifuges Note: This product is not recommended for new designs. • Precise temperature control • Peltier Cooling for Machine Vision This product series has been replaced with 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: ETX5-16-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 The state of the s 8.0 [203] LENGTH (-) NEGATIVE 0.107

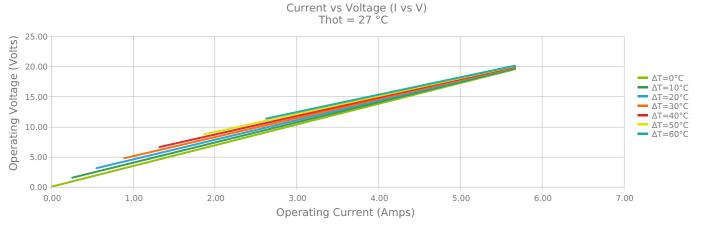
CERAMIC MATERIAL: Al2O3

SOLDER CONSTRUCTION: 138°C, BiSn

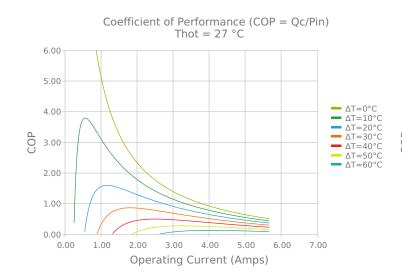
# **ELECTRICAL AND THERMAL PERFORMANCE**

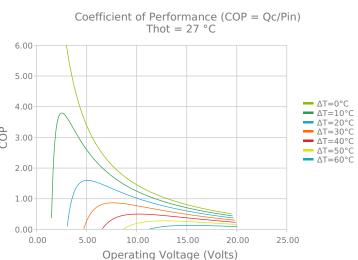


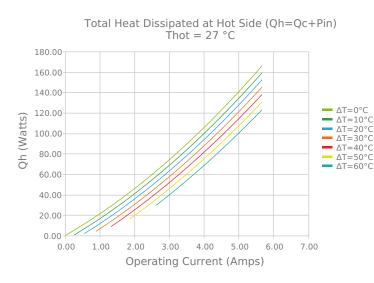


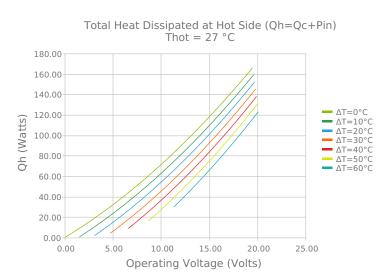


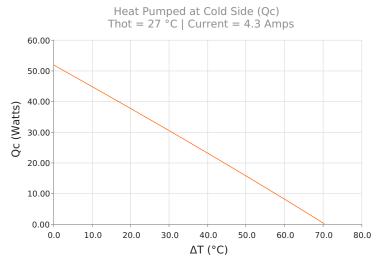


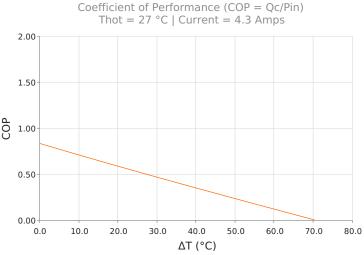














### **SPECIFICATIONS\***

**Hot Side Temperature** 

 $Qcmax (\Delta T = 0)$ 

 $\Delta T max (Qc = 0)$ 

Imax (I @ \Darkstrum \

Vmax (V @  $\Delta$ Tmax)

**Module Resistance** 

**Max Operating Temperature** 

Weight

27.0 °C	35.0 °C	50.0 °C
55.3 Watts	56.9 Watts	59.5 Watts
71.7°C	74.8°C	80.4°C
5.1 Amps	5.0 Amps	4.9 Amps
18.5 Volts	19.2 Volts	20.5 Volts
3.44 Ohms	3.59 Ohms	3.87 Ohms
80 °C		
13.0 gram(s)		

# **FINISHING OPTIONS**

Suffix	Suffix Thickness Flatness / Paralle		<b>Hot Face</b>	<b>Cold Face</b>	<b>Lead Length</b>	
TA 2.710 ±0.025 mm 0.107 ± 0.0010 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

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