

ZT Series Thermoelectric Cooler

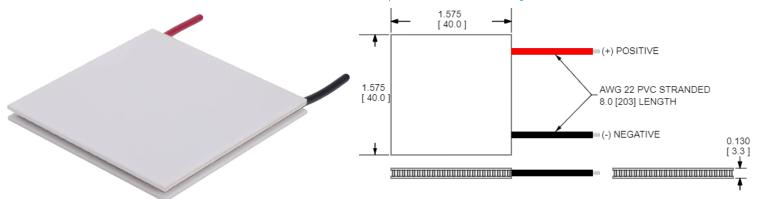
This product has reached end of production and is available on a limited basis only. This product series has been replaced with the HiTemp ETX Series product offering. Currently there is no standard HiTemp ETX Series replacement for this part. Contact Sales for available options.

Features

- High temperature differential
- Precise temperature control
- Reliable solid-state operationNo sound or vibration
- DC operation
- RoHS-compliant

Applications

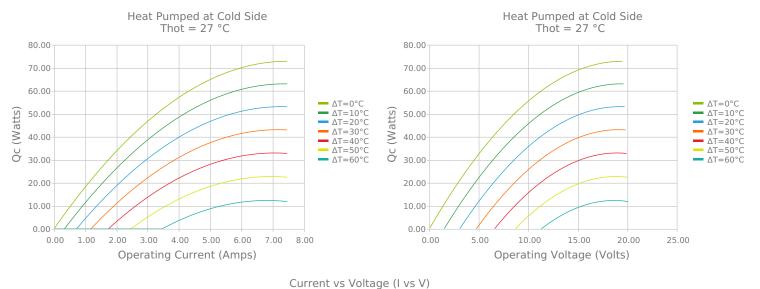
- Peltier Cooling for Refrigerated Centrifuges
- Peltier Cooling for Machine Vision
- Thermoelectric Cooling for CMOS Sensors
- Cooling Solutions for Autonomous Systems
- Peltier Cooling for Digital
- Light Processors

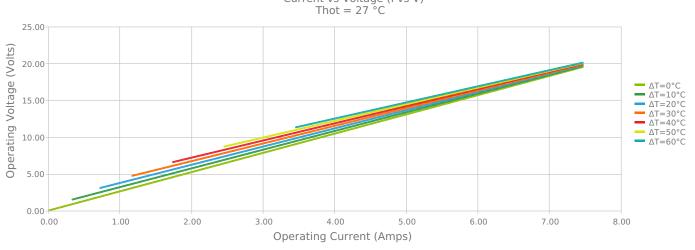


CERAMIC MATERIAL: Al₂O₃ SOLDER CONSTRUCTION: 138°C, BiSn

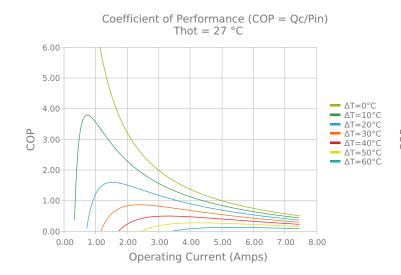
INCHES [MM]

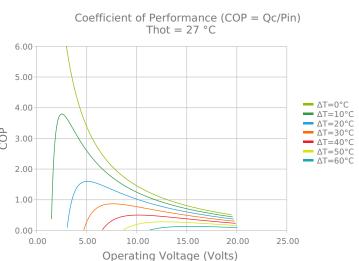
ELECTRICAL AND THERMAL PERFORMANCE

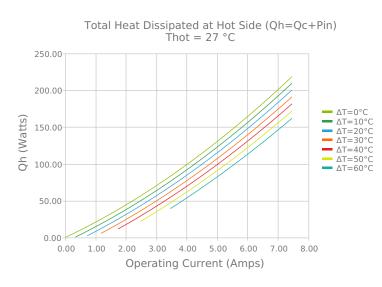


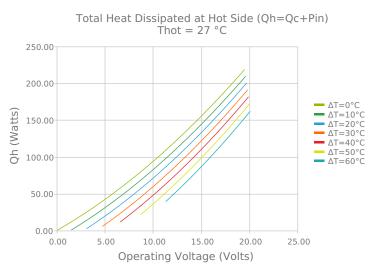


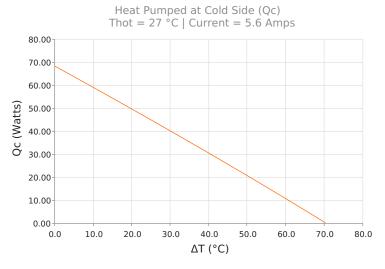


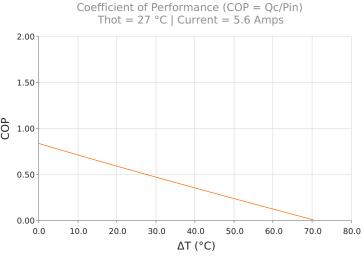














SPECIFICATIONS*

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

	Suffix	Thickness	Flatness / Parallelism	Hot Face	Cold Face	Lead Length	
TB $3.300 \pm 0.013 \text{ mm}$ $0.130 \pm 0.0005 \text{ in}$			0.013 mm / 0.013 mm 0.0005 in / 0.0005 in	Lapped	Lapped	203.2 mm 8.00 in	

SEALING OPTIONS

S	uffix	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: 08/30/2021

^{*} Specifications reflect thermoelectric coefficients updated March 2020