

INCHES [MM]

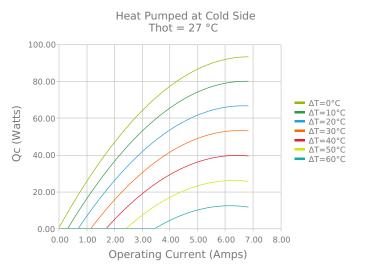
Laird SYSTEMS

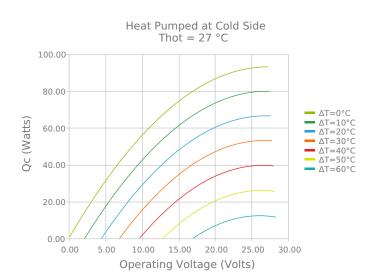
UltraTEC™ UT Series Thermoelectric Cooler **Features Applications** High heat pump density Thermoelectric Coolers and Assemblies for Medical Applications Note: This product is not recommended for new designs. • Precise temperature control Thermoelectric Coolers for Handheld Cosmetic Lasers This product series has been replaced with the UltraTEC UTX Series • Reliable solid-state operation • Industrial Laser Cooling product offering. No sound or vibration • Peltier Cooling for Digital Light Processors The recommended replacement is: DC operation MFG Part Number: 387004702 RoHS-compliant Description: UTX6-24-F1-5555-TA-W6 2.165 [55.0] (+) POSITIVE 2 165 AWG 18 PVC STRANDED [55.0 6.0 [152] LENGTH (-) NEGATIVE 0.152 [3.9]

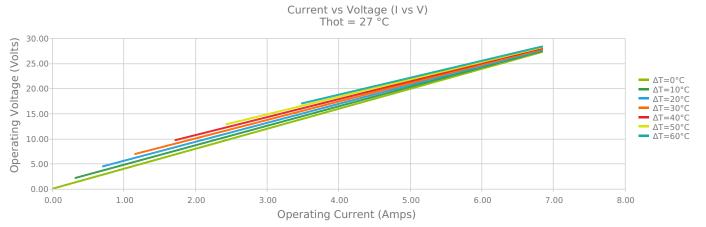
CERAMIC MATERIAL: Al2O3

SOLDER CONSTRUCTION: 138°C, BiSn

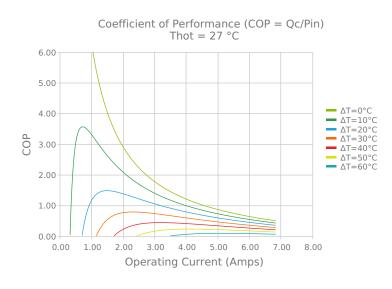
ELECTRICAL AND THERMAL PERFORMANCE

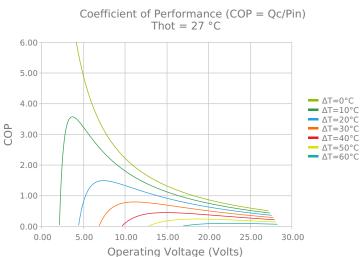


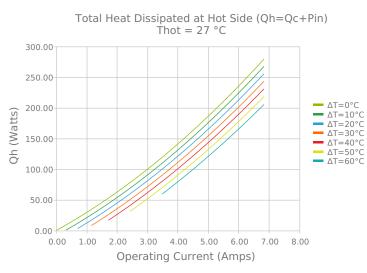


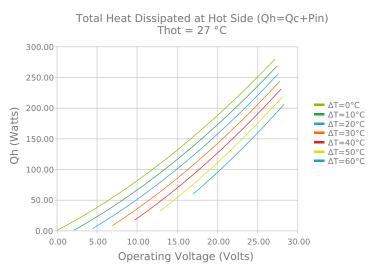


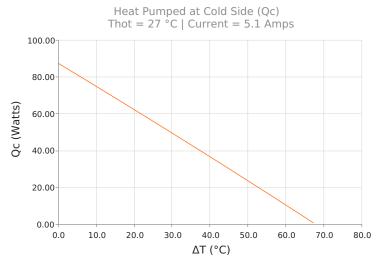


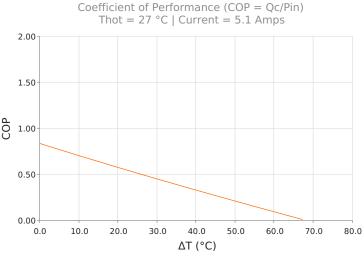














SPECIFICATIONS*

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
93.2 Watts	96.1 Watts	101.1 Watts
68.9°C	71.8°C	77.0°C
6.1 Amps	6.0 Amps	6.0 Amps
25.9 Volts	26.9 Volts	28.7 Volts
3.98 Ohms	4.14 Ohms	4.45 Ohms
80 °C		
41.0 gram(s)		

FINISHING OPTIONS

Suffix	Thickness	Flatness / Parallelism	Hot Face	Cold Face	Lead Length	
		0.025 mm / 0.025 mm 0.001 in / 0.001 in	Lapped	Lapped	152.4 mm 6.00 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