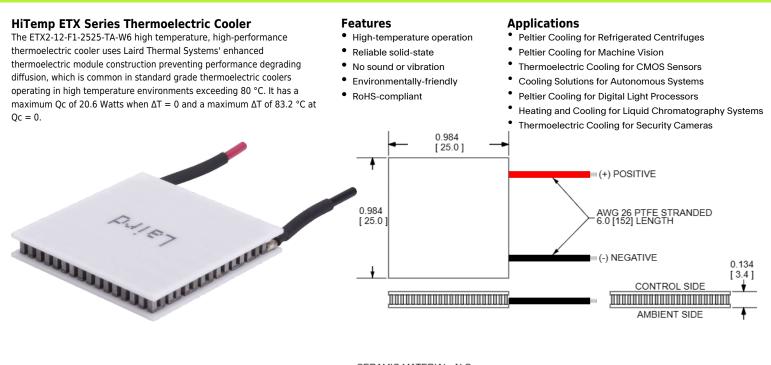


HiTemp ETX Series ETX2-12-F1-2525-TA-W6 MFG Part Number: 387005318

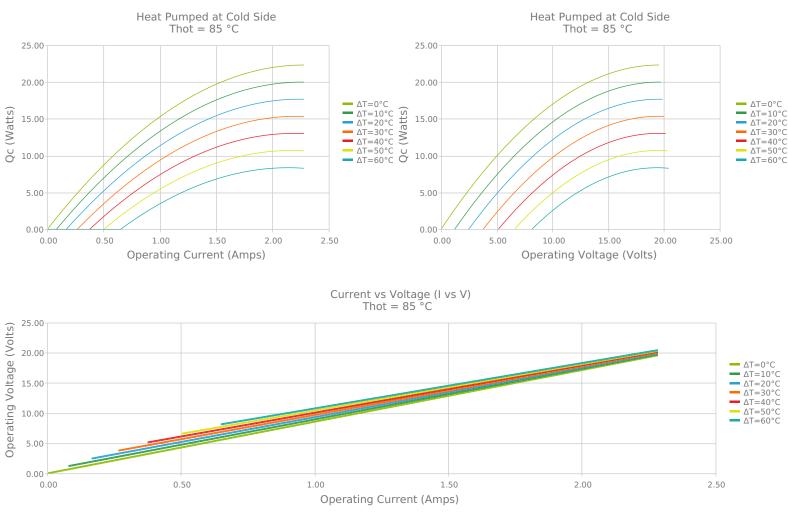


CERAMIC MATERIAL: Al2O3 SOLDER CONSTRUCTION: 232°C, SbSn

INCHES [MM]

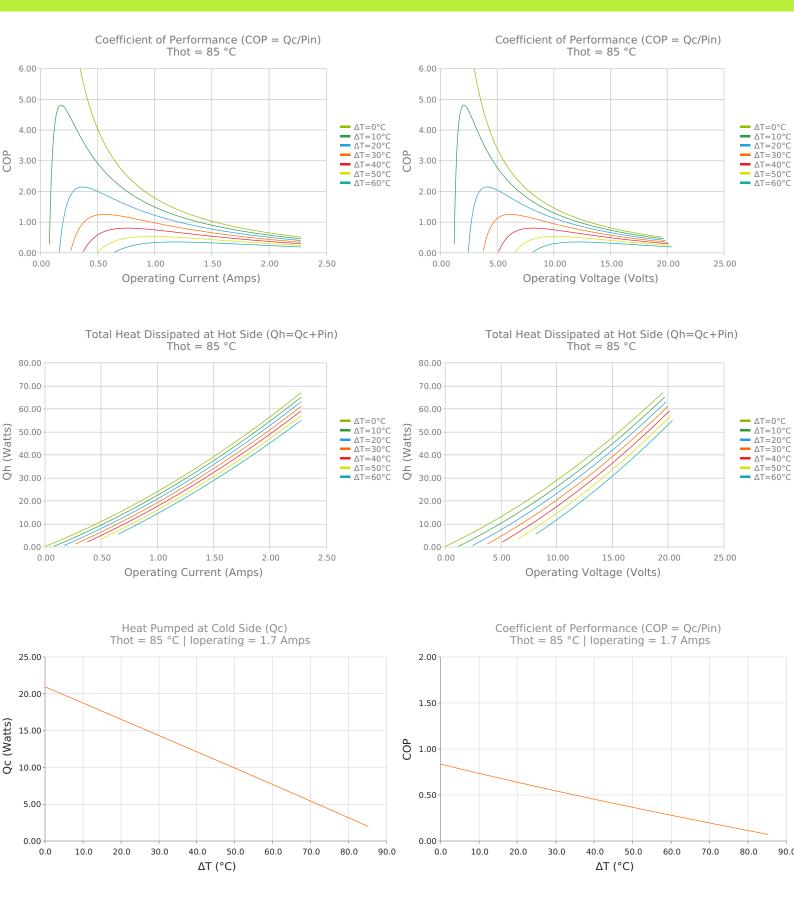
Electrical and Thermal Performance

For maximum performance, be sure to orient the CONTROL side of the TEC against the application to be managed and the AMBIENT side against the heat sink or other heat rejection method. The CONTROL side is always opposite the side with lead attachments. Lead attachment is a passive heat loss and less impactful if located on the side that attaches to the heat exchanger.



TTS () TARK THERMAL SOLUTIONS

HiTemp ETX Series ETX2-12-F1-2525-TA-W6 MFG Part Number: 387005318





Specifications

| Hot Side Temperature | 50.0 °C | 85.0 °C | 110.0 °C |
|---------------------------|-------------|------------|------------|
| Qcmax ($\Delta T = 0$) | 20.6 Watts | 22.3 Watts | 23.0 Watts |
| ΔTmax (Qc = 0) | 83.2°C | 95.3°C | 102.0°C |
| lmax (I @ ΔTmax) | 2.1 Amps | 2.0 Amps | 2.0 Amps |
| Vmax (V @ ΔTmax) | 16.6 Volts | 19.1 Volts | 20.8 Volts |
| Module Resistance | 7.35 Ohms | 8.57 Ohms | 9.38 Ohms |
| Max Operating Temperature | 150 °C | | |
| Weight | 7.0 gram(s) | | |

Finishing Options

| Suffix | Thickness | Flatness / Parallelism | Hot Face | Cold Face | Lead Length |
|--------|--------------------------------------|--|----------|-----------|---------------------|
| ТА | 3.400 ±0.025 mm 0.134 ± 0.0010 in | 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

Max operating temperature: 150°C Do not exceed Imax or Vmax when operating module Reference assembly guidelines for recommended installation

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