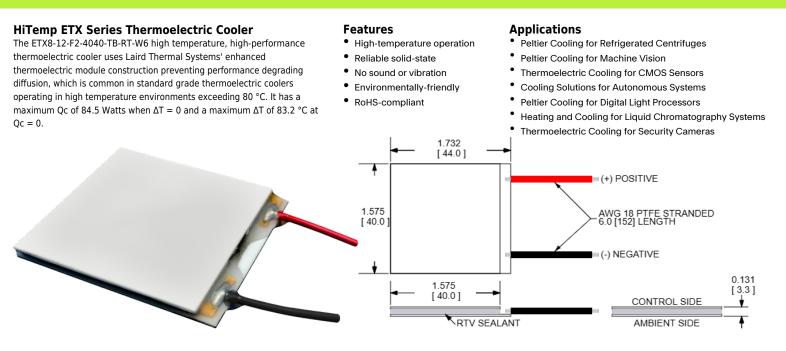


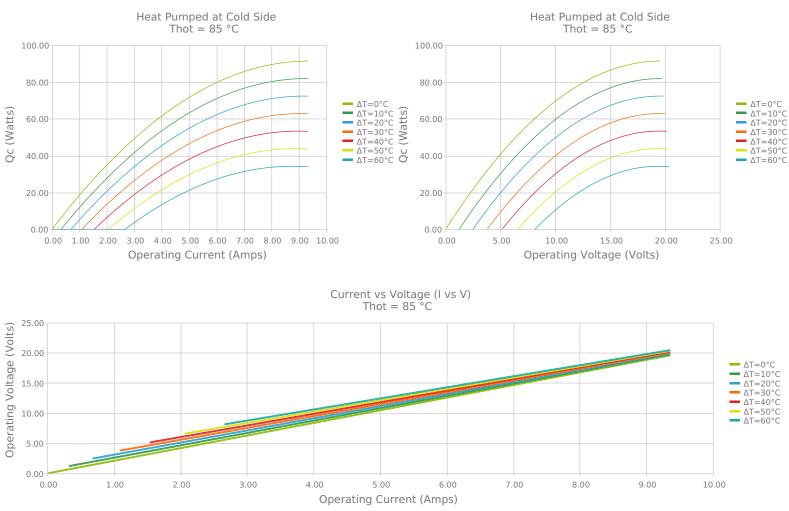
HiTemp ETX Series ETX8-12-F2-4040-TB-RT-W6 MFG Part Number: 387009502



CERAMIC MATERIAL: Al₂O₃ SOLDER CONSTRUCTION: 232°C, SbSn INCHES [MM] Note: Allow 0.020 in [0.5 mm] around perimeter of the thermoelectric cooler and lead wire attachment to accommodate sealant

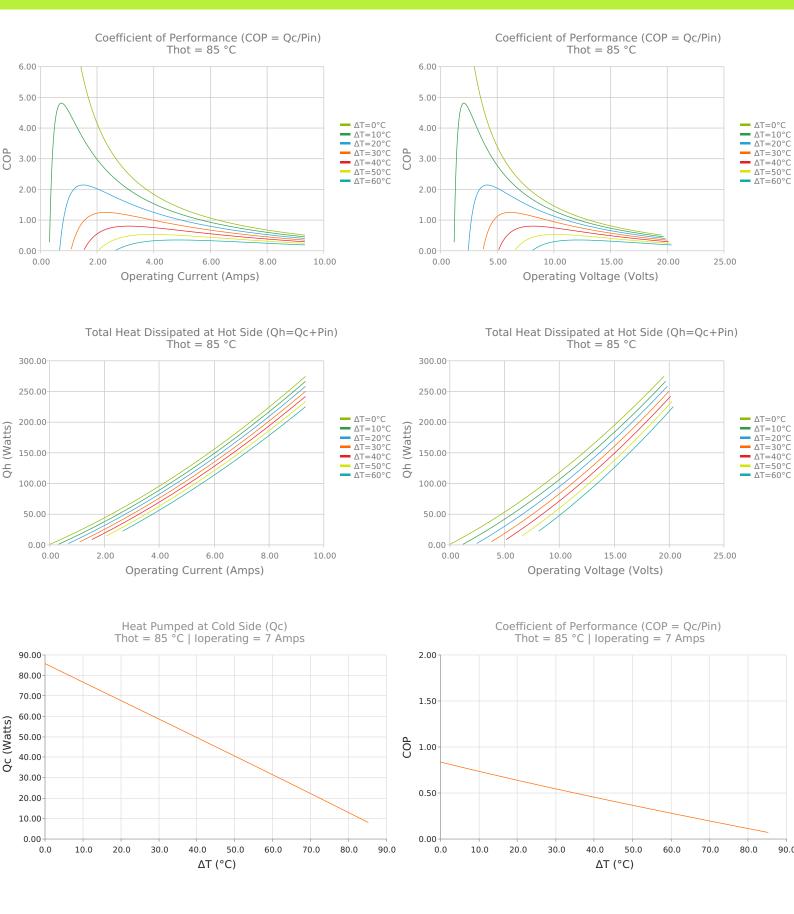
Electrical and Thermal Performance

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.





HiTemp ETX Series ETX8-12-F2-4040-TB-RT-W6 MFG Part Number: 387009502





Specifications

Hot Side Temperature	50.0 °C	85.0 °C	110.0 °C
Qcmax ($\Delta T = 0$)	84.5 Watts	91.4 Watts	94.2 Watts
ΔTmax (Qc = 0)	83.2°C	95.3°C	102.0°C
lmax (I @ ΔTmax)	8.6 Amps	8.3 Amps	8.1 Amps
Vmax (V @ ΔTmax)	16.6 Volts	19.1 Volts	20.8 Volts
Module Resistance	1.79 Ohms	2.09 Ohms	2.29 Ohms
Max Operating Temperature	150 °C		
Weight	21.0 gram(s)		

Finishing Options

Suffix	Thickness	Flatness / Parallelism	Hot Face	Cold Face	Lead Length
ТВ	3.327 ±0.013 mm 0.131 ± 0.0005 in	0.013 mm / 0.013 mm 0.0005 in / 0.0005 in	Lapped	Lapped	152.4 mm 6.00 in

Sealing Options

Suffix	Sealant	Color	Temp Range	Description	
RT	RTV	Translucent or White	-60 to 204°C	Non-corrosive, silicone adhesive	

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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