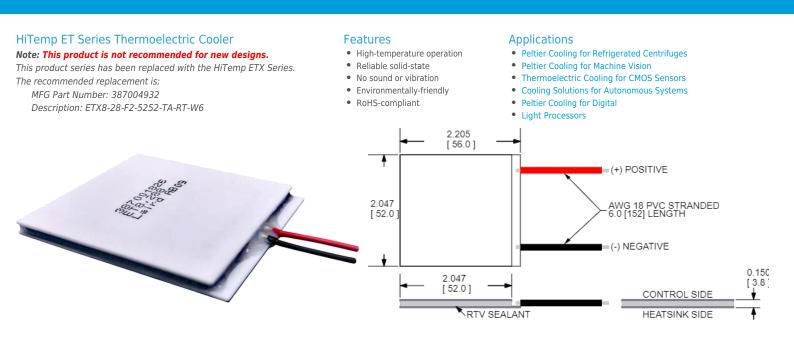


# HiTemp ET Series ET8-28-F2-5252-TA-RT-W6 MFG Part Number: 387001826 Legacy Product



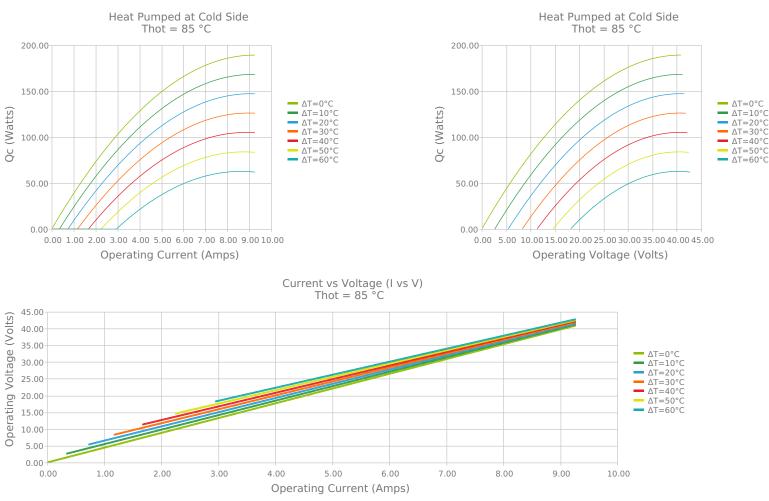
CERAMIC MATERIAL: Al₂O₃ SOLDER CONSTRUCTION: 232°C, SbSn

INCHES [ MM ]

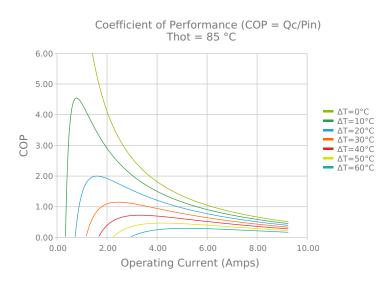
Note: Allow 0.020 in [0.5 mm] around perimeter of the thermoelectric cooler and lead wire attachment to accommodate sealant

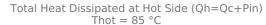
#### **ELECTRICAL AND THERMAL PERFORMANCE**

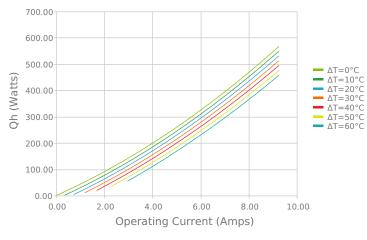
For maximum performance, be sure to orient the CONTROL side of the TEC against the application to be managed and the HEATSINK side against the heat sink or other heat rejection method. The CONTROL side is always opposite the side with lead attachments. Lead attachment is a passive heat loss and less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

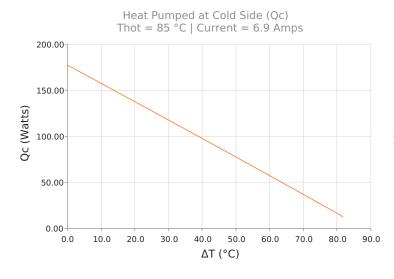


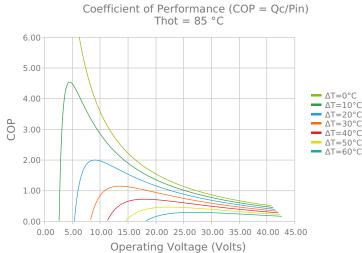




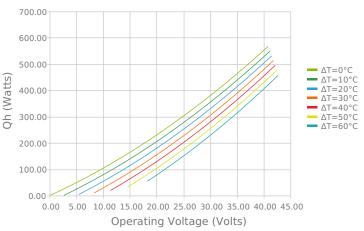




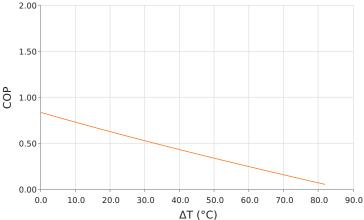




Total Heat Dissipated at Hot Side (Qh=Qc+Pin) Thot = 85 °C



Coefficient of Performance (COP = Qc/Pin) Thot = 85 °C | Current = 6.9 Amps



#### **SPECIFICATIONS\***

Hot Side Temperature	50.0 °C	85.0 °C	110.0 °C
$Qcmax (\Delta T = 0)$	172.5 Watts	189.1 Watts	197.5 Watts
ΔTmax (Qc = 0)	77.9°C	89.3°C	96.2°C
lmax (I @ ΔTmax)	8.4 Amps	8.2 Amps	8.1 Amps
Vmax (V @ ΔTmax)	34.6 Volts	39.8 Volts	43.3 Volts
Module Resistance	3.80 Ohms	4.41 Ohms	4.83 Ohms
Max Operating Temperature	150 °C		
Weight	52.0 gram(s)		

\* Specifications reflect thermoelectric coefficients updated March 2020

### **FINISHING OPTIONS**

Suffix	Thickness	Flatness / Parallelism	Hot Face	Cold Face	Lead Length
11	3.810 ±0.051 mm 0.150 ± 0.0020 in	0.051 mm / 0.051 mm 0.002 in / 0.002 in	Lapped	Lapped	50.8 mm 2.00 in

## **SEALING OPTIONS**

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

### **NOTES**

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

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