

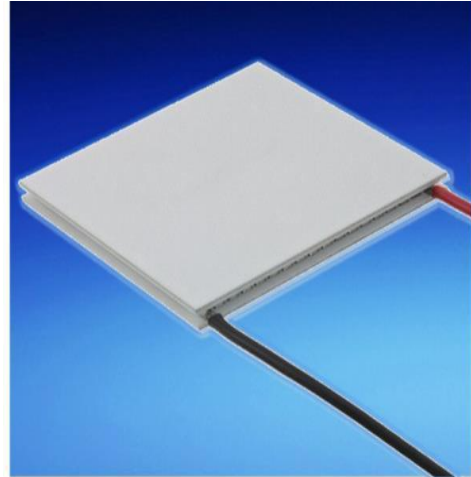
# Data Sheet

Rev. 29 May 2023

## Thermoelectric Cooler Performance Specification

TEC1-127060-40X40 W150mm

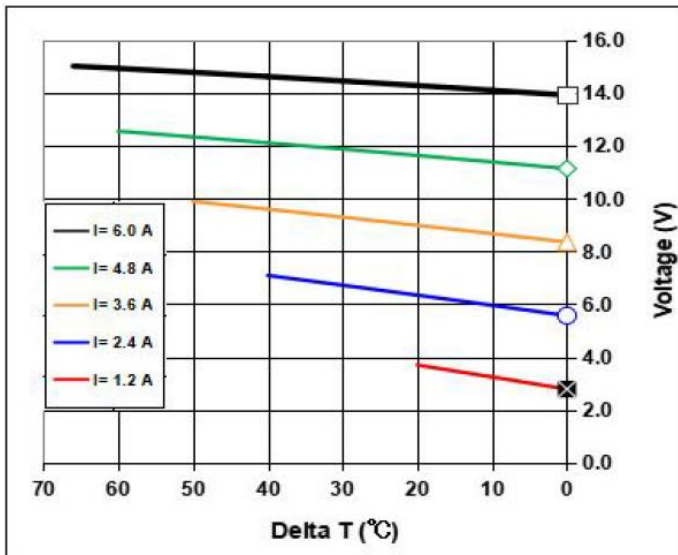
Hot Side Temperature (°C)	25 °C	50 °C
Qmax (Watts)	52	56
Delta Tmax(°C)	67	75
I <sub>max</sub> (Amps)	6	5.9
V <sub>max</sub> (Volts)	15.4	16.3
Module Resistance (Ohms)	2.25	2.54



\*\*Tolerances for thermal and electrical parameters ± 10%.

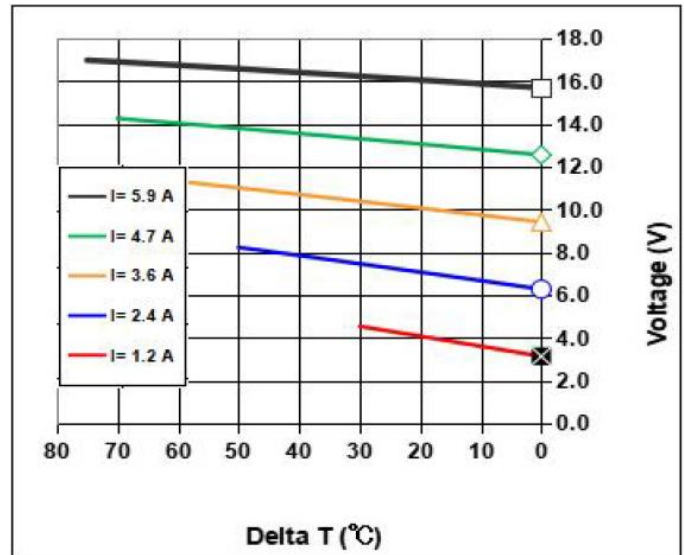
- Sealer: RTV
- Ceramic Plate: Blank Ceramics (96% Al<sub>2</sub>O<sub>3</sub>)
- Solder Melting Temp.: 138°C

Hot side temperature 25 °C



Voltage (VDC)

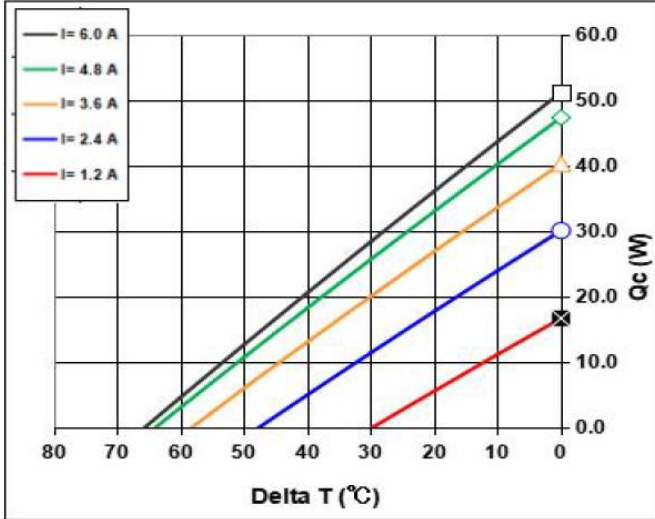
Hot side temperature 50 °C



Voltage (VDC)

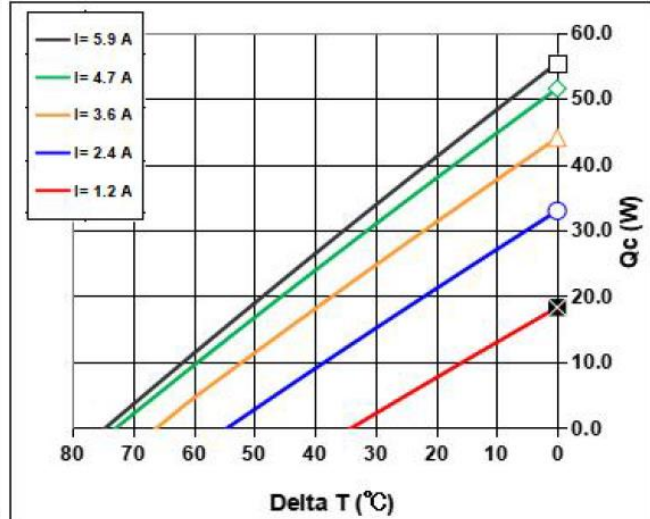
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Hot side temperature 25°C



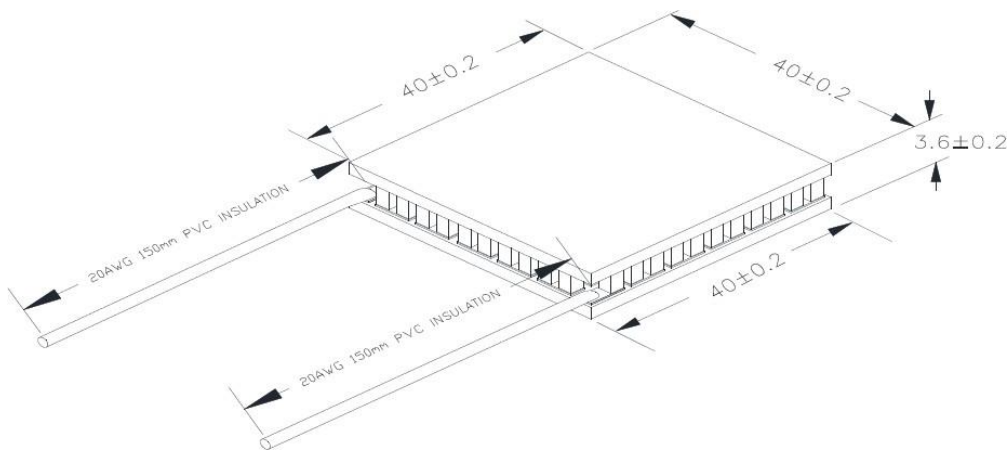
Heat Pumped Qc (Watts)

Hot side temperature 50°C



Heat Pumped Qc (Watts)

Mechanical Drawing:



### Operation Tips:

- Max Operating Temperature: **90°C**.
- Do not exceed I<sub>max</sub> or V<sub>max</sub> when operating module.
- Please consult P&N Technology for moisture and corrosion protection options.