

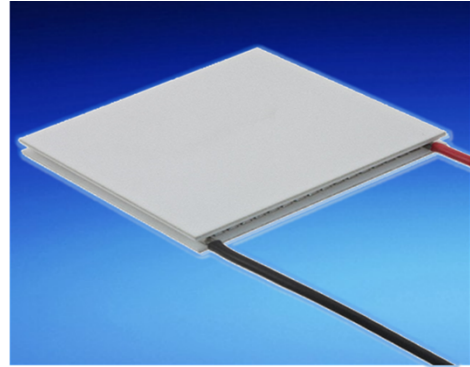


Thermoelectric Cooler Performance Specifications

TES1-031020-8.8X8.8 W150mm

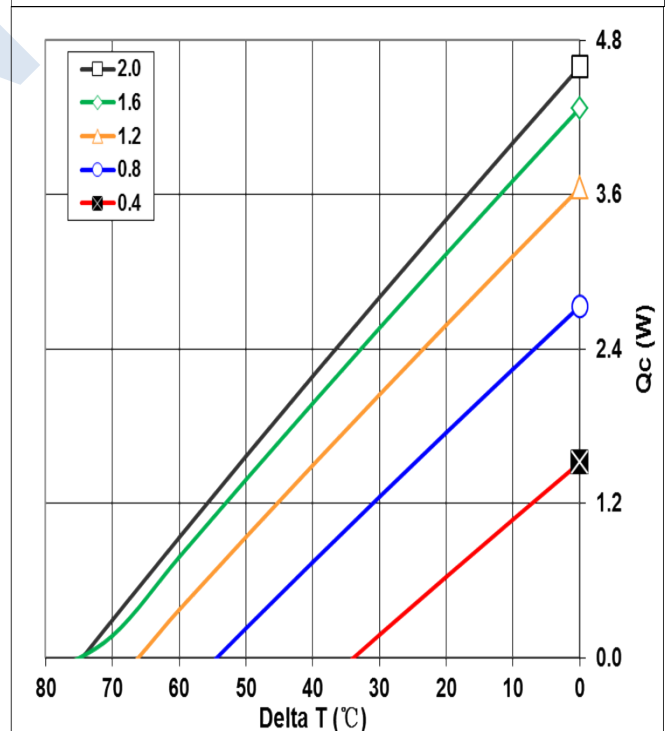
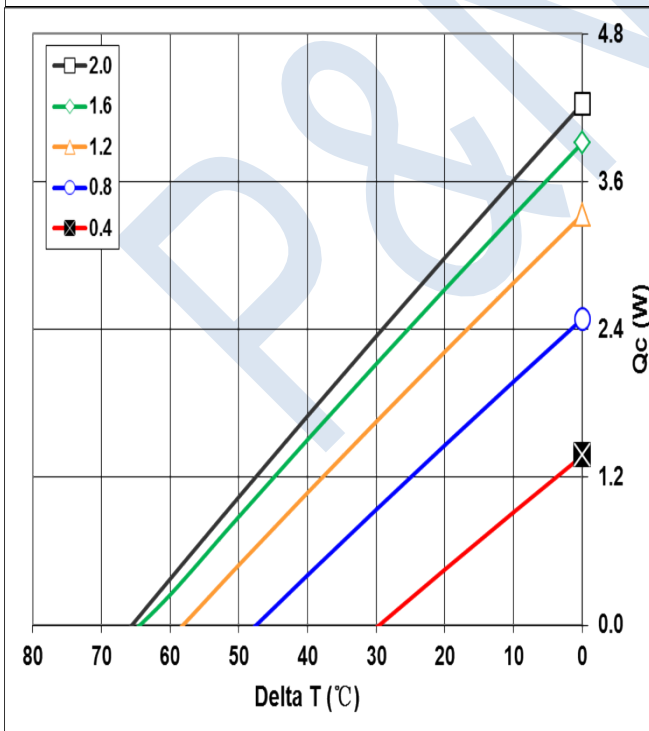
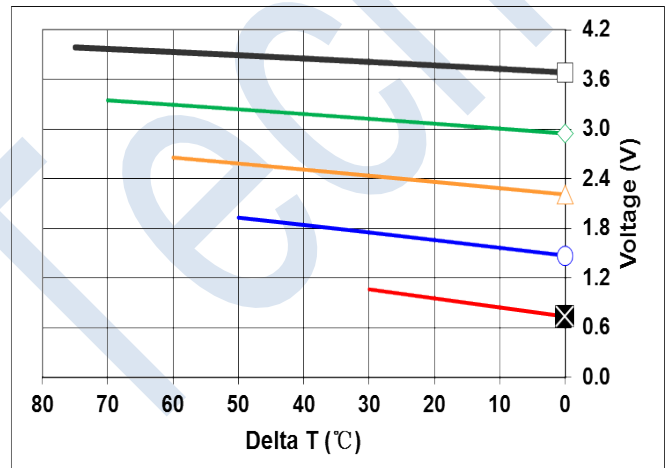
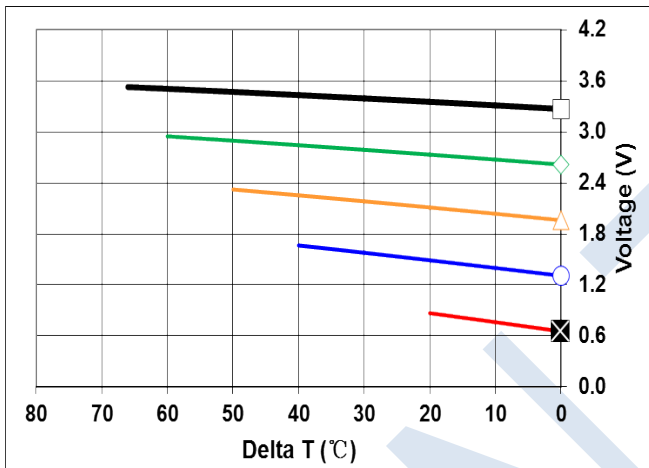
Hot Side Temperature(°C)	25 °C	50 °C
Qmax (Watts)	4.18	4.60
Delta Tmax(°C)	67	75
I <sub>max</sub> (Amps)	2	2
V <sub>max</sub> (Volts)	3.7	4.0
Module Resistance(Ohms)	1.62	1.82

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

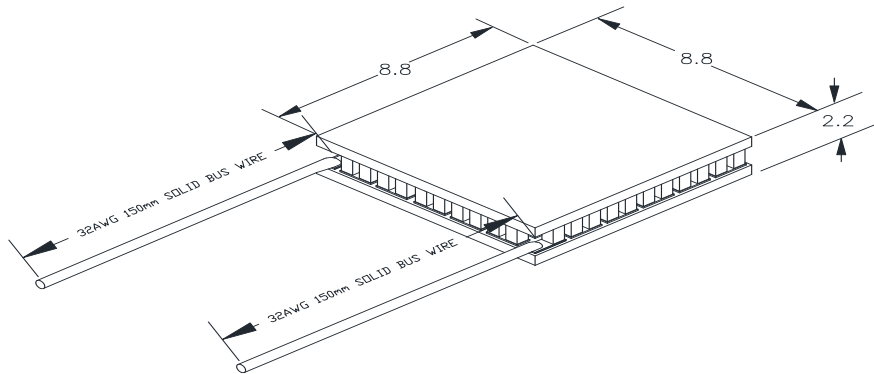


Performance Curves Th=25 °C

Performance Curves Th=50 °C



Mechanical Drawing:



**Operation Tips:**

- Max Operating Temperature: **90°C**.
- Do not exceed  $I_{max}$  or  $V_{max}$  when operating module.
- Please consult P&N Technology for moisture and corrosion protection options.

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