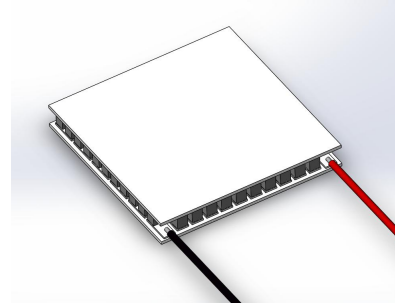


Thermoelectric Cooler Performance Specifications

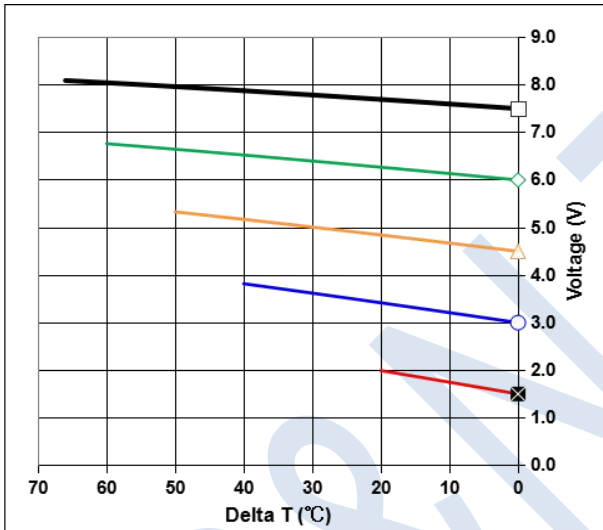
TEC1-071090-44X44S-W150

Hot Side Temperature(°C)	27 °C	50 °C
Qmax (Watts)	43.1	46.9
Delta Tmax(°C)	69	75
I _{max} (Amps)	9	9
V _{max} (Volts)	8.6	9.1
Module Resistance(Ohms)	0.830	0.936

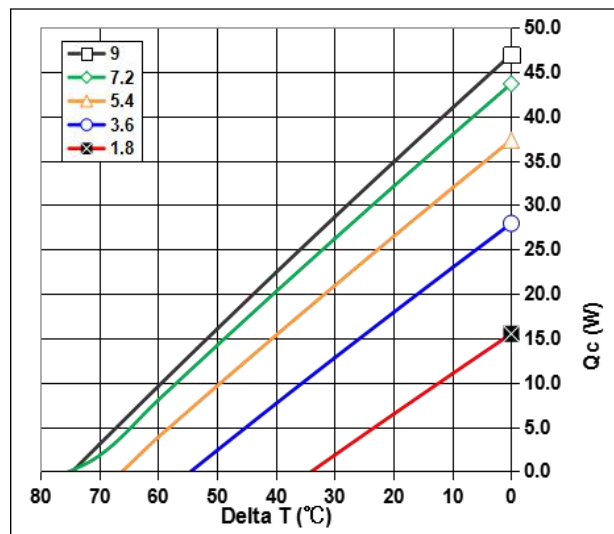
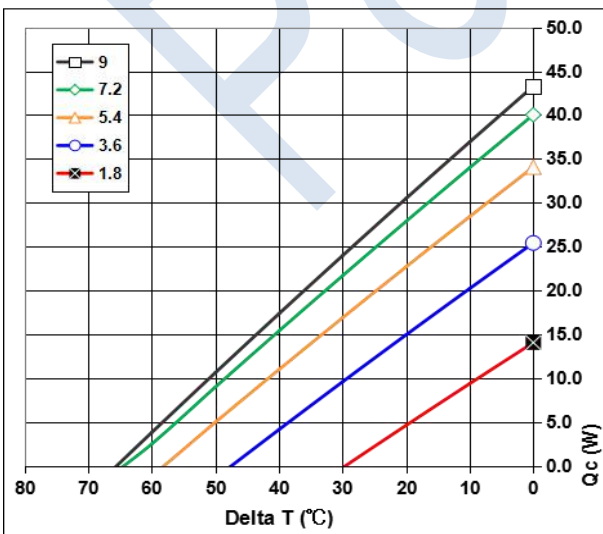
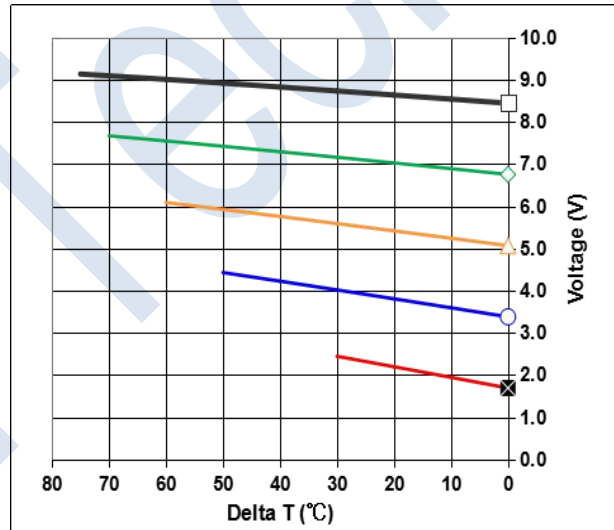


**Tolerances for thermal and electrical parameters ± 10%.

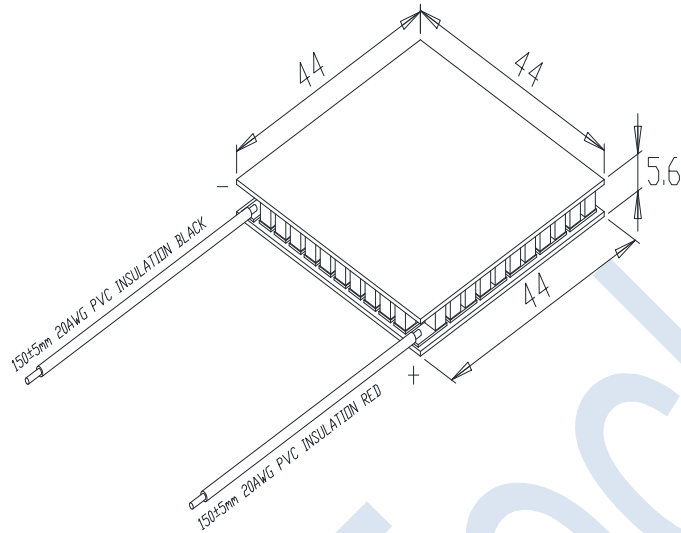
Performance Curves Th=27 °C



Performance Curves Th=50 °C



Mechanical Drawing:



Module is sealed by RTV sealant.

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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