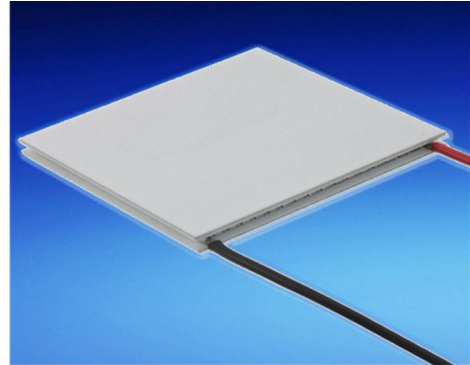


Thermoelectric Cooler Performance Specifications

TES1-017030-12x12S-W150

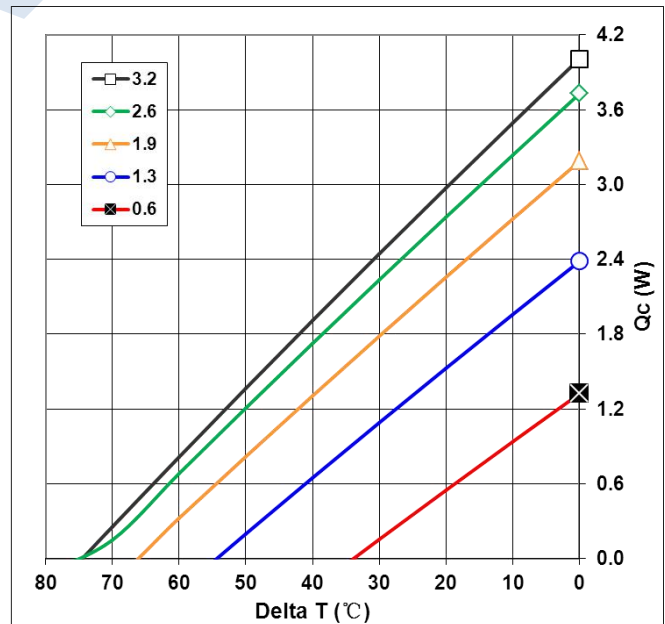
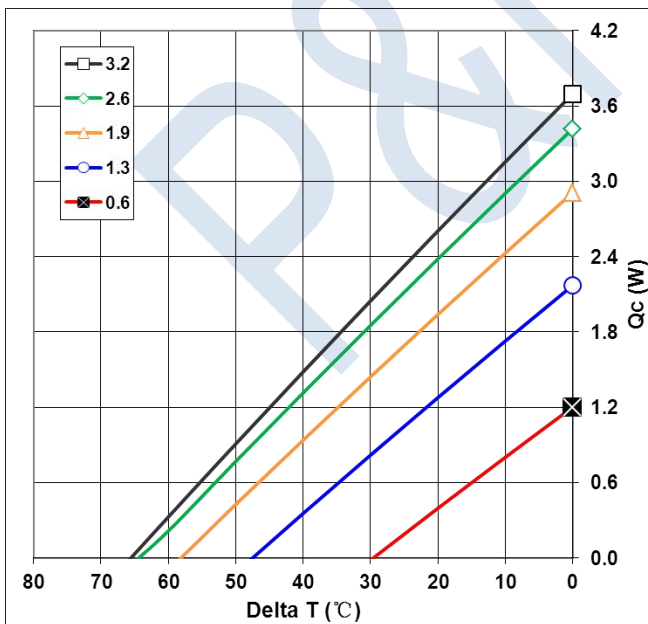
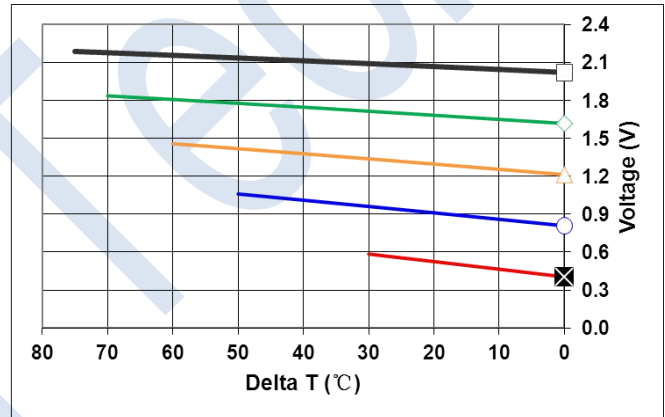
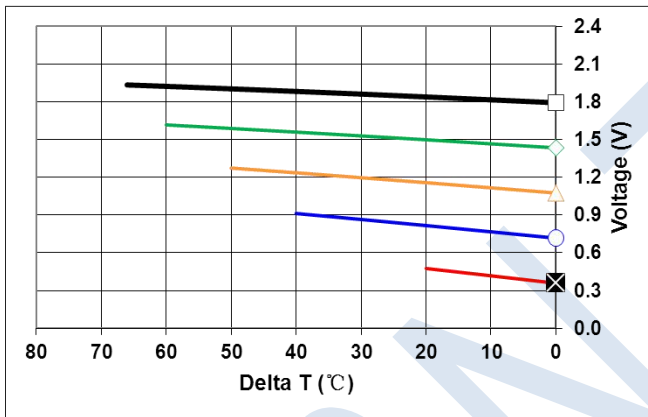
Hot Side Temperature(°C)	27 °C	50 °C
Qmax (Watts)	3.4	4
Delta Tmax(°C)	68	75
I _{max} (Amps)	3	3
V _{max} (Volts)	2.1	2.23
Module Resistance(Ohms)	0.60	0.67

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

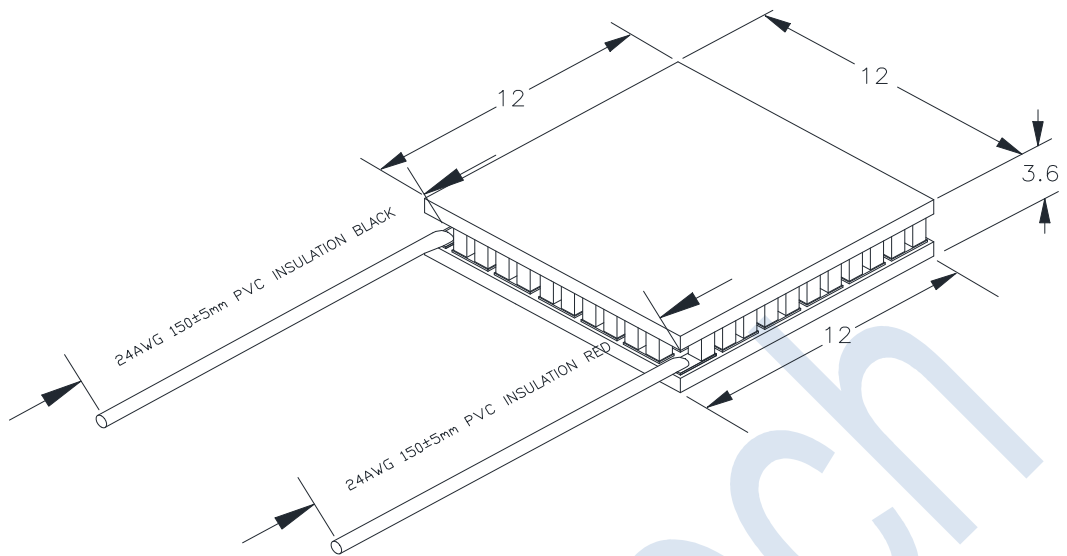


Performance Curves Th=27 °C

Performance Curves Th=50 °C



Mechanical Drawing:



Module is sealant 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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