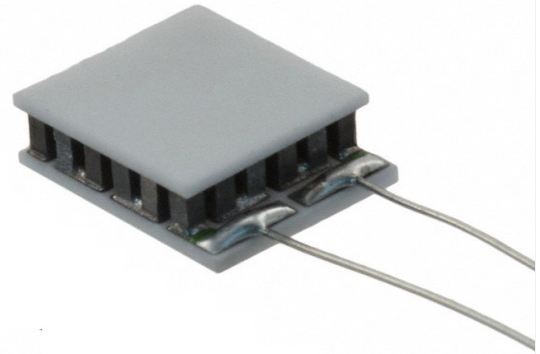


## Thermoelectric Cooler Performance Specifications

TES1-030012-10.3X12.3 W150mm

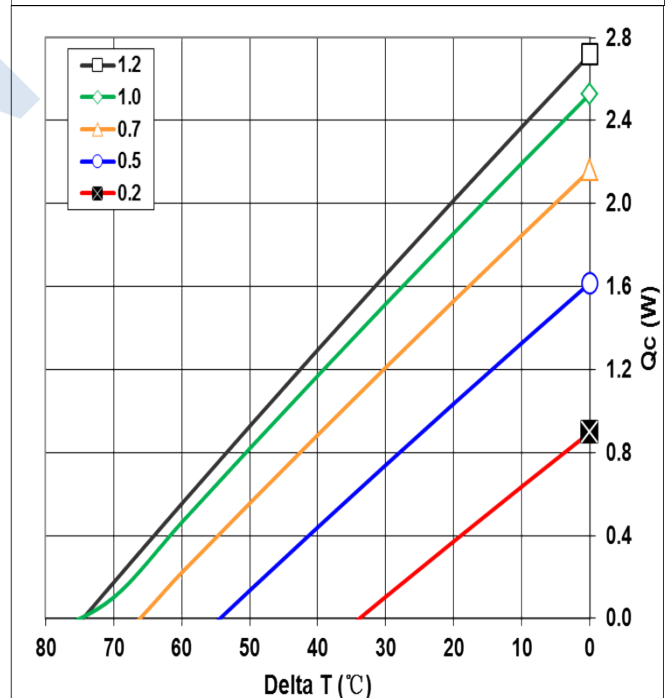
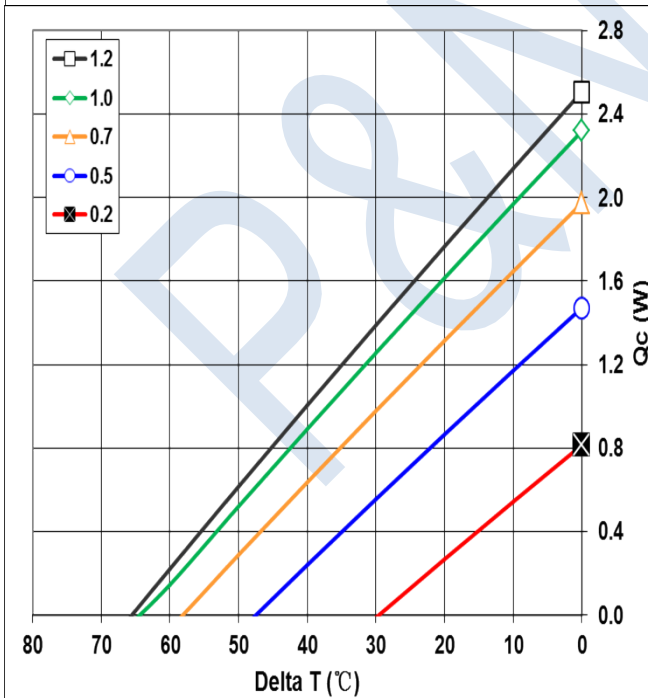
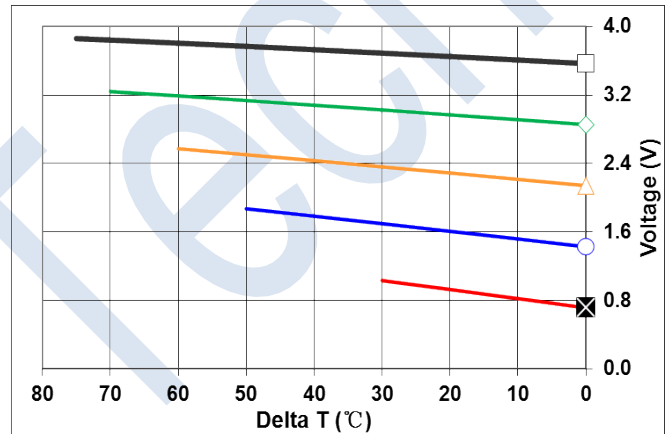
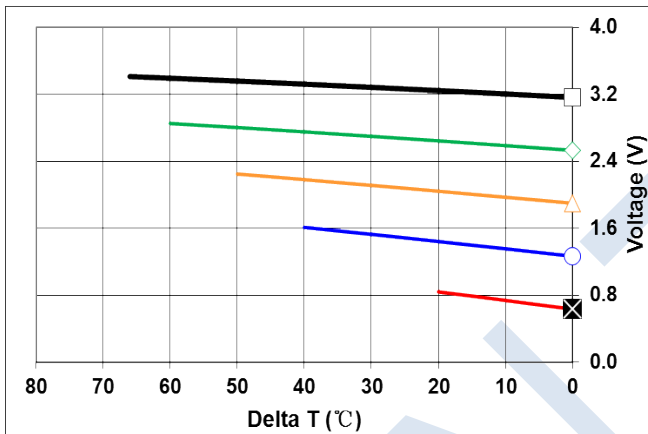
Hot Side Temperature(°C)	25 °C	50 °C
Qmax (Watts)	2.43	2.71
Delta Tmax(°C)	67	75
I <sub>max</sub> (Amps)	1.2	1.2
V <sub>max</sub> (Volts)	3.6	3.9
Module Resistance(Ohms)	2.56	2.89

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

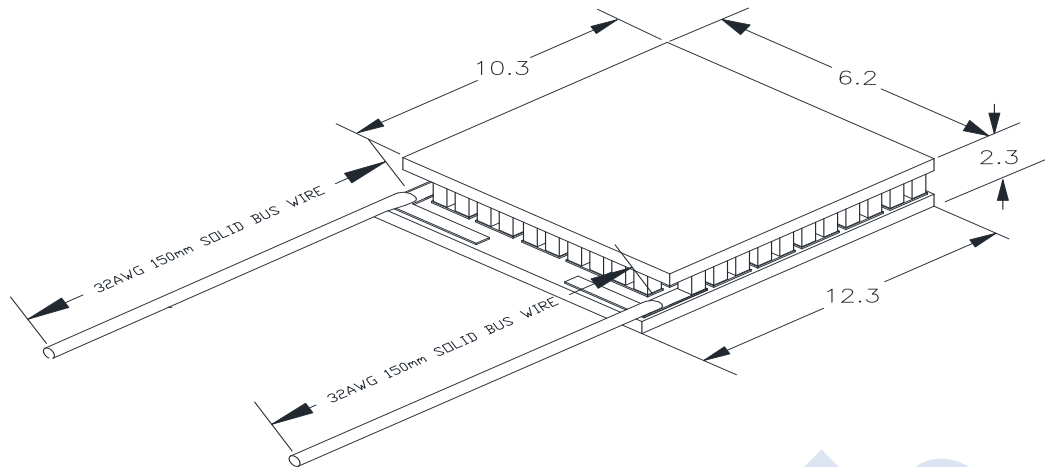


Performance Curves Th=25 °C

Performance Curves Th=50 °C



### Mechanical Drawing:



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#### 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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