



Thermoelectric Cooler Performance Specifications

TES1-065015-12.1X13.2 W150mm

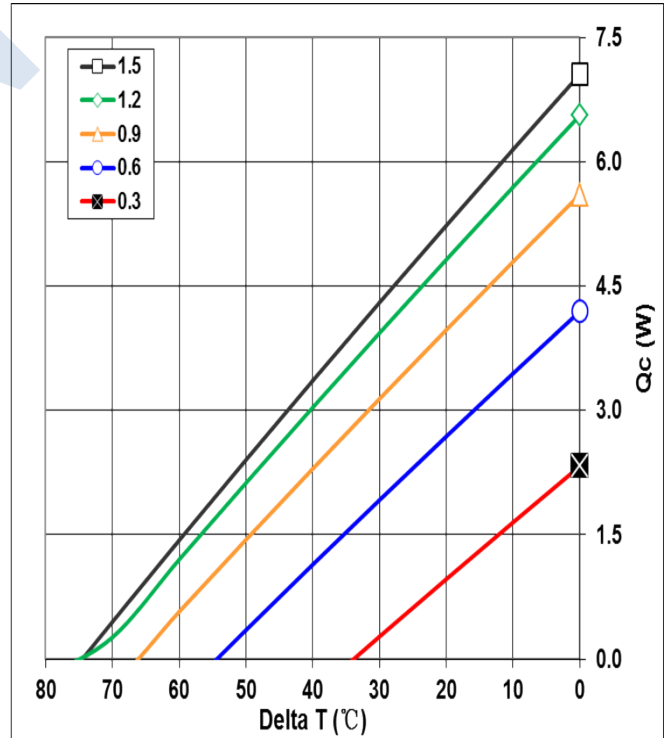
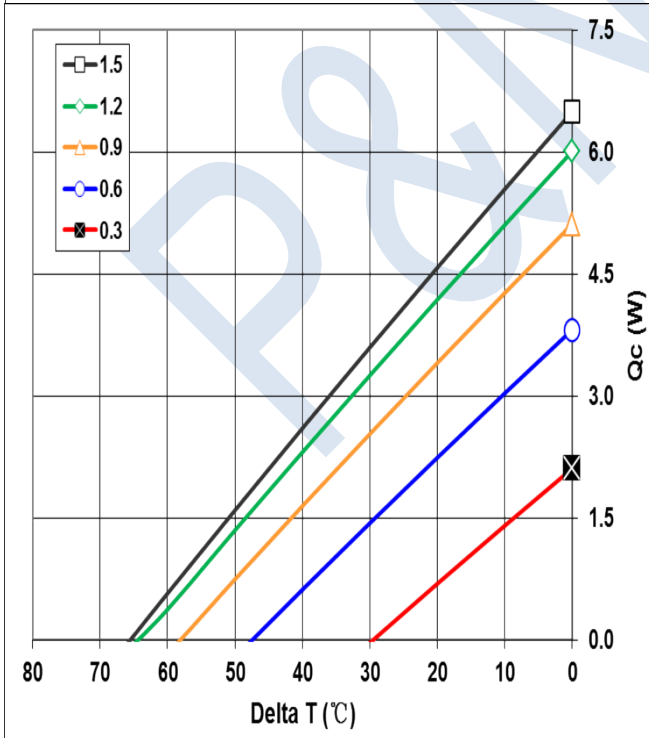
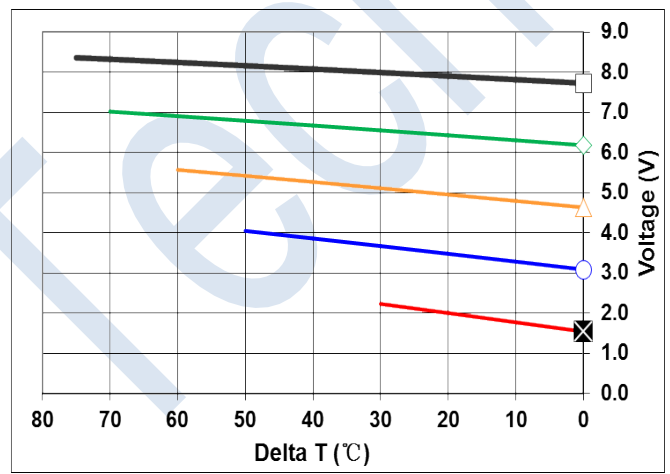
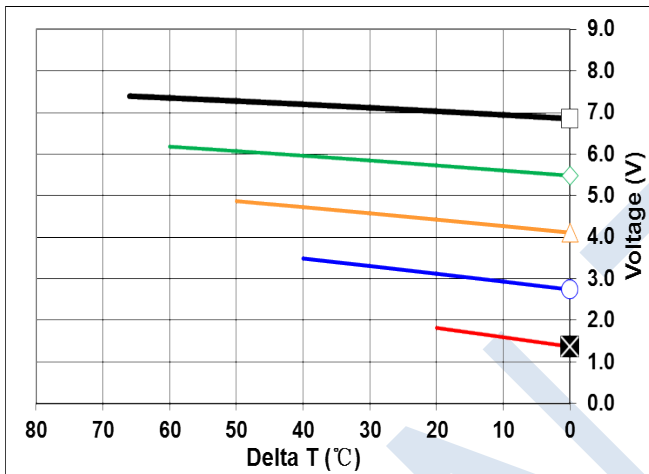
| Hot Side Temperature(°C) | 25 °C | 50 °C |
|--------------------------|-------|-------|
| Qmax (Watts)             | 6.57  | 7.05  |
| Delta Tmax(°C)           | 67    | 75    |
| I <sub>max</sub> (Amps)  | 1.5   | 1.5   |
| V <sub>max</sub> (Volts) | 7.8   | 8.4   |
| Module Resistance(Ohms)  | 4.63  | 5.22  |



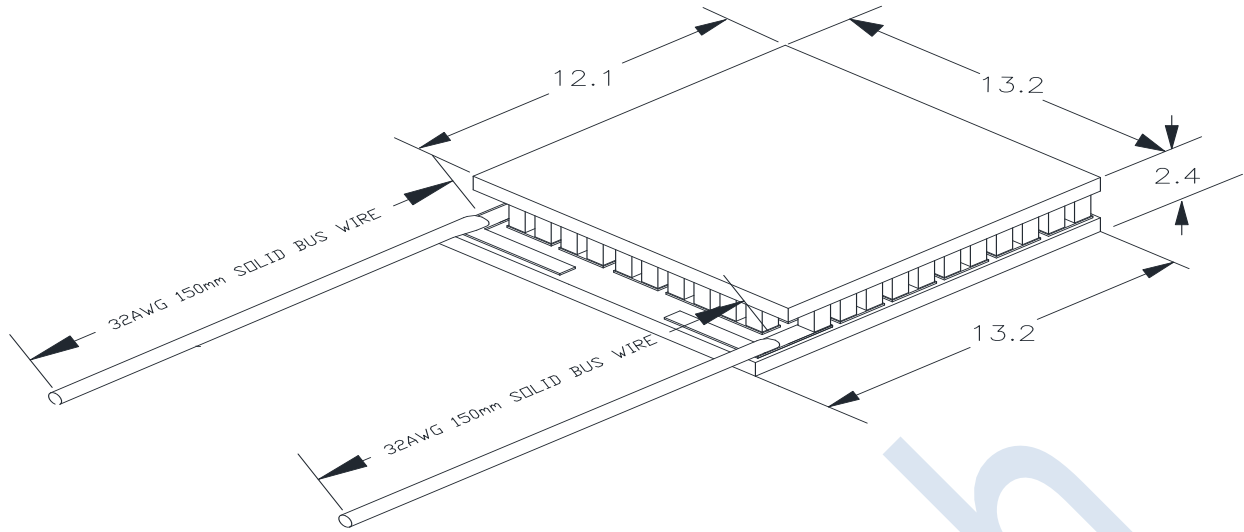
\*\*Tolerances for thermal and electrical parameters ± 10%.

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.

**Address:** 5/F Xinfei Building 28<sup>th</sup> Xiangming Road, Torch (xiang'an) Hi-tech Zone, Xiamen Fujian China.

**Sales Tel:** + 86 - 592 - 352 1988

**Fax:** +86-592-352 1989

**Postcode:** 361 011

**Web:** [www.pengnantech.com](http://www.pengnantech.com)