



Thermoelectric Cooler Performance Specifications

热电模块性能规格书

TES1-095030-30X30 W150mm

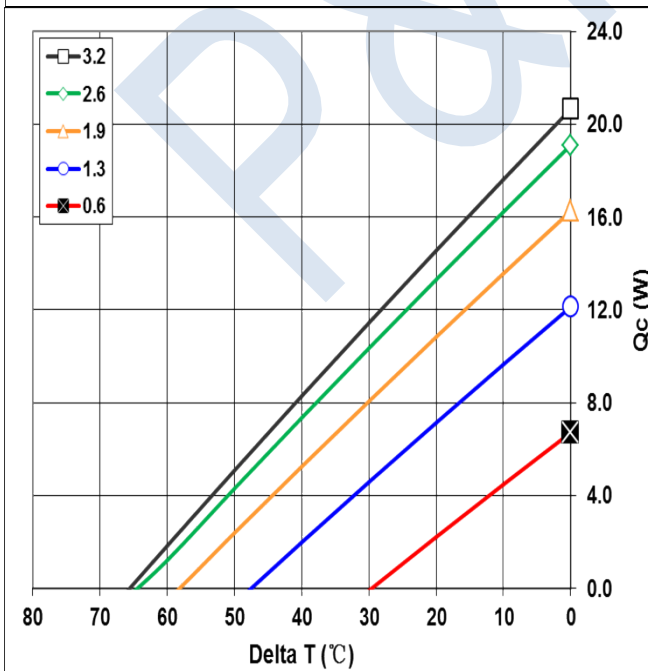
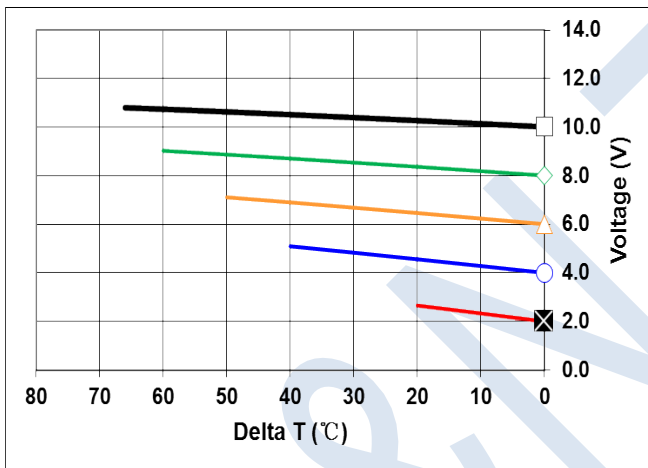
Hot Side Temperature(°C)热面温度(°C)	25 °C	50 °C
Qmax (Watts)最大制冷量(w)	19.3	22.4
Delta Tmax(°C)最大温度差(°C)	67	75
I <sub>max</sub> (Amps)最大输入电流(A)	3	3
V <sub>max</sub> (Volts)最大输入电压(V)	11.5	12.2
ModuleResistance(Ohms)电阻值(Ω)	3.11	3.51

\*\*Tolerances for thermal and electrical parameters ± 10%.  
热电参数的公差 ±10%



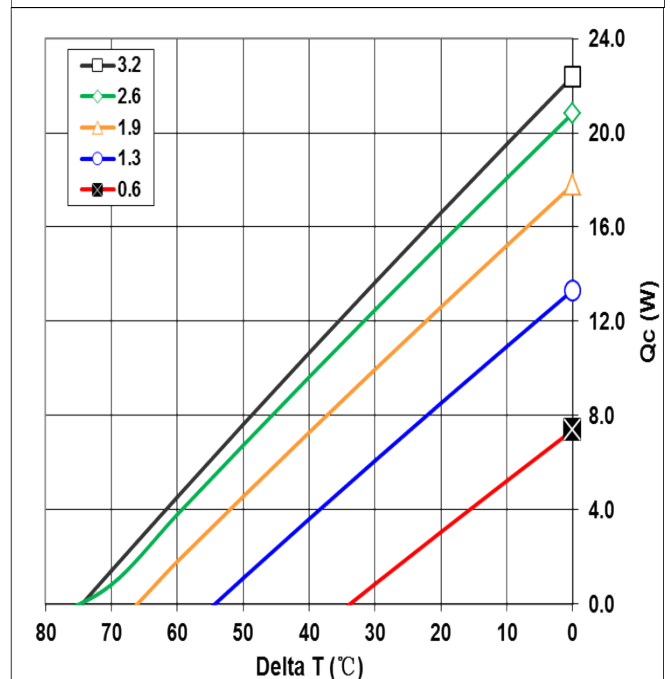
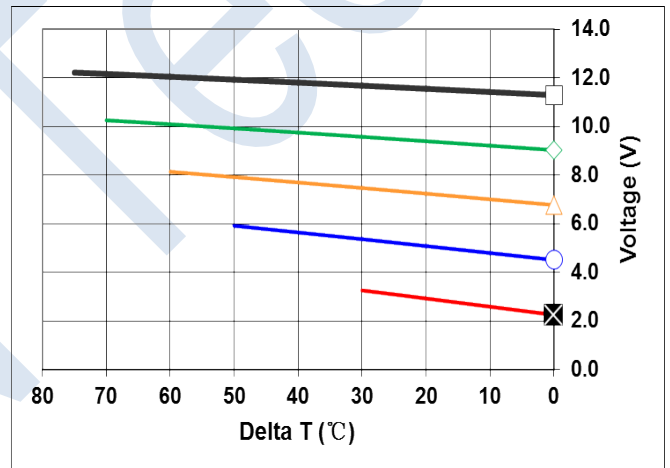
Performance Curves Th=25 °C

(性能曲线Th=25°C)

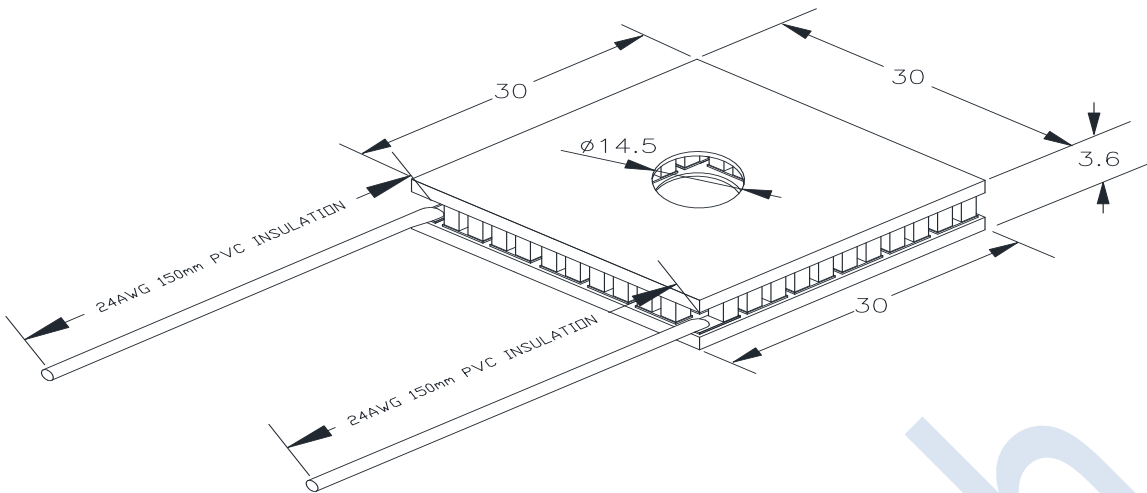


Performance Curves Th=50 °C(性能曲线

Th=50°C)



Mechanical Drawing (示意图) :



**Operation Tips:**

操作提示:

- Max Operating Temperature: **90°C**.  
最大工作温度:90°C
- Do not exceed  $I_{max}$  or  $V_{max}$  when operating module.  
不超过最大电流或最大电压操作模块
- Please consult P&N Technology for moisture and corrosion protection options.  
防潮防腐事项请咨询鹏南科技

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