

# Thermoelectric module TM-18-0.6-1.5



## Performance Data

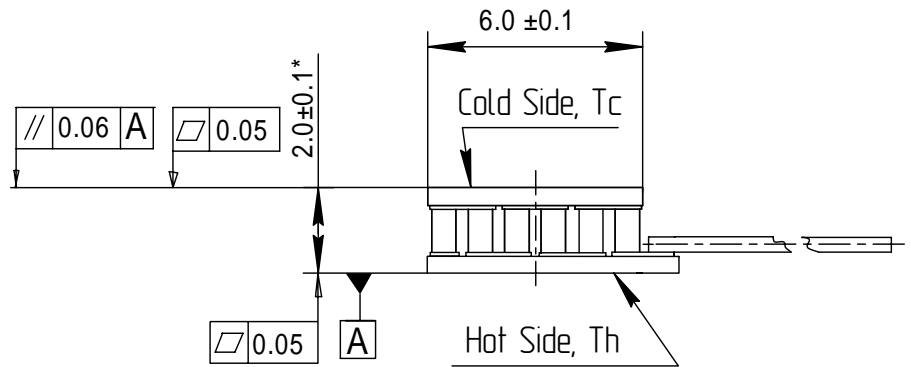
I <sub>max</sub> (amps)	1.5 ± 0.1	ΔT=ΔT <sub>max</sub> . Th=27 ± 0.5 °C.
V <sub>max</sub> (volts)	2.1 ± 0.5	Th=27 ± 0.5 °C. ΔT=ΔT <sub>max</sub> . I=I <sub>max</sub> ± 0.1A. IN VACUUM (0.13 Pa)
ΔT <sub>max</sub> °C	72°	Th=27 ± 0.5 °C. I=I <sub>max</sub> ± 0.1A. IN VACUUM (0.13 Pa)
Q <sub>max</sub> (watts)	1.9	Th=Tc=27 ± 0.5 °C. I=I <sub>max</sub> ± 0.1A. IN VACUUM (0.13 Pa)
AC resistance (ohms)	1.25 ± 0.2	27 ± 0.5 °C.

Maximum processing temperature +220 °C

## Drawing

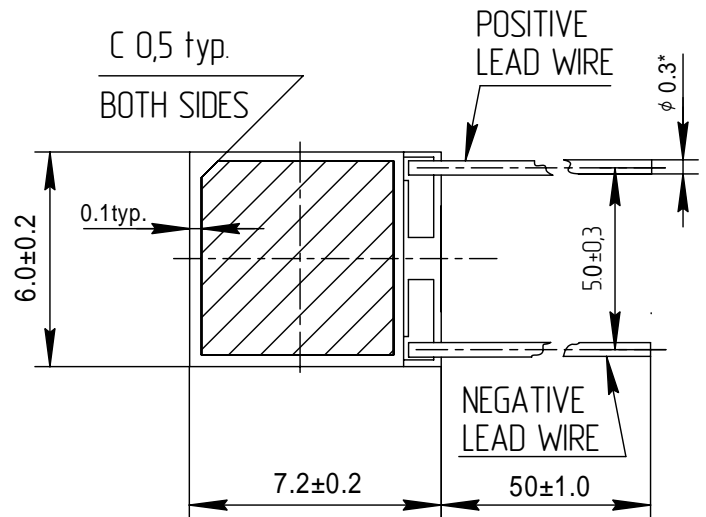
Dimensions in millimeters

\* Including metallization



## Options

Model Number	Description
TM-18-0.6-1.5 TT	Hot Side and Cold Side Metallized Exterior
TM-18-0.6-1.5 T	Hot Side Metallized Exterior
TM-18-0.6-1.5	No Metallized Exterior



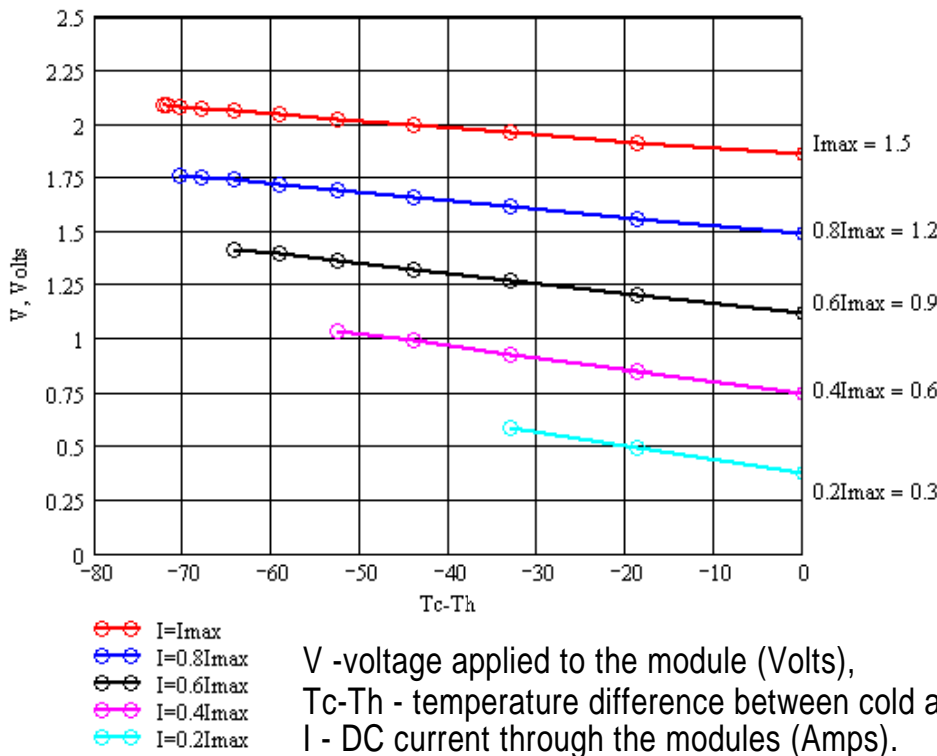
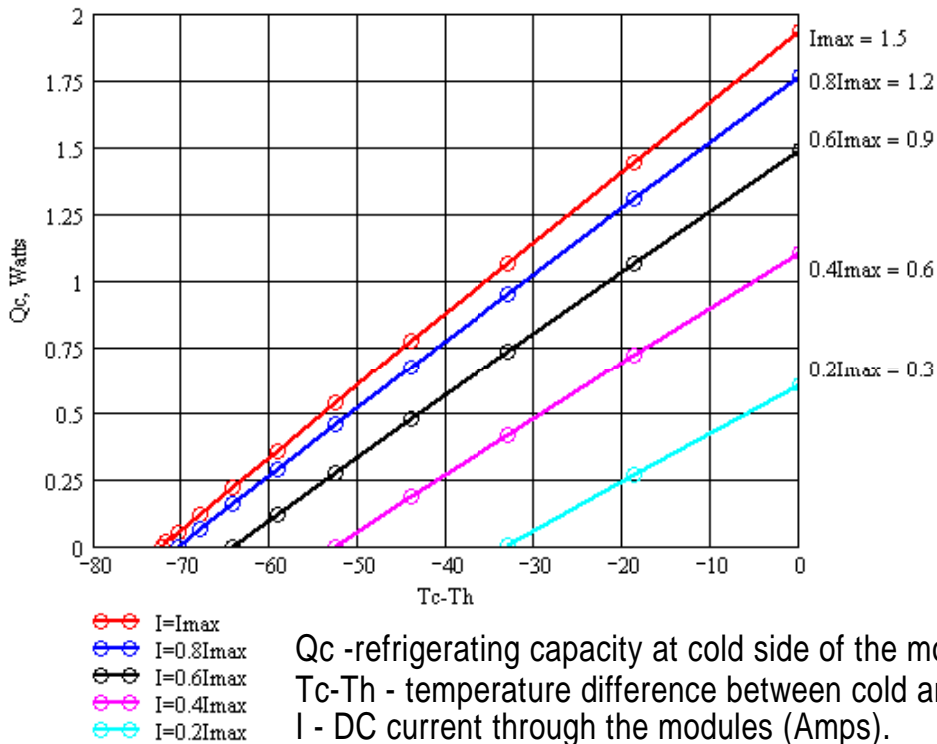
## Additional

- RoHS 2002/95/EC compliant
- Exterior surfaces may be pre-tinned with various solders (M.P. ≤ 220 °C) upon customer request

- Cold Side and Hot Side Ceramics: Al<sub>2</sub>O<sub>3</sub>, white 96%;
- Metallization: Cu+Ni+Au, Cold Side and Hot Side
- Solder: SnSb, M.P. 232 °C



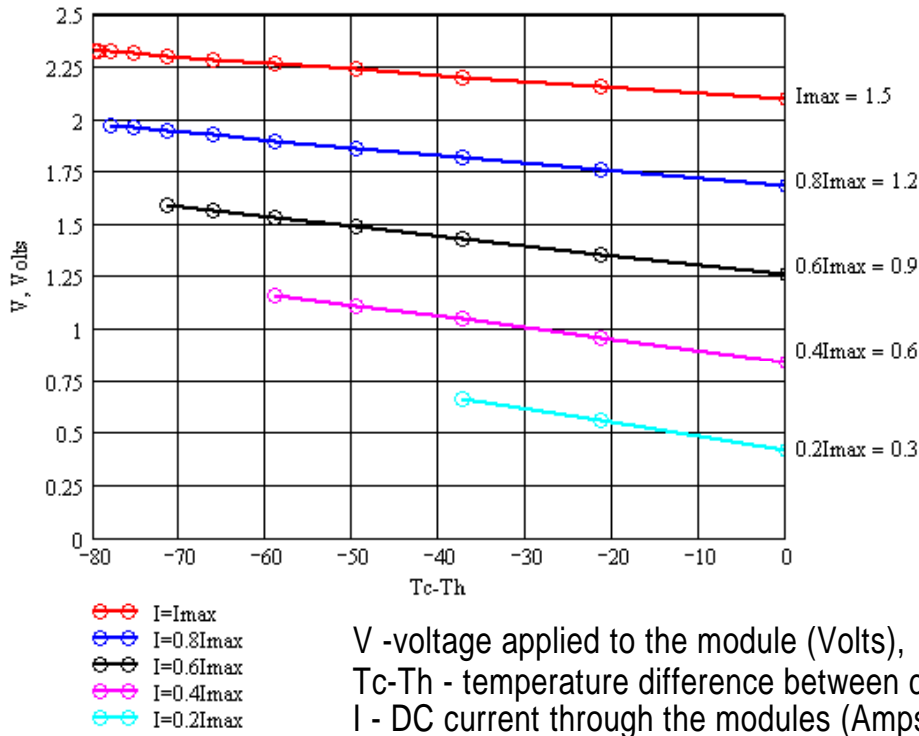
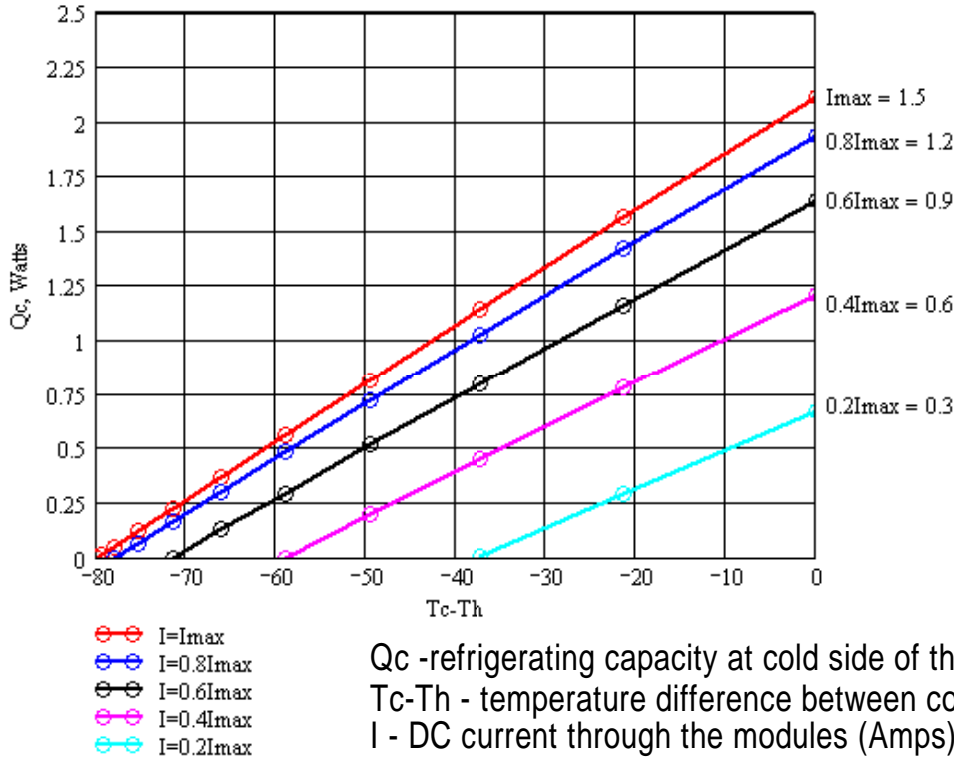
## Performance graphs at Hot Side Temperature $T_h=27\text{ }^\circ\text{C}$



Environment: Vacuum



## Performance graphs at Hot Side Temperature $T_h=50\text{ }^\circ\text{C}$



Environment: Vacuum