Thermoelectric module TM-18-0.6-1.5

Perfomance Data

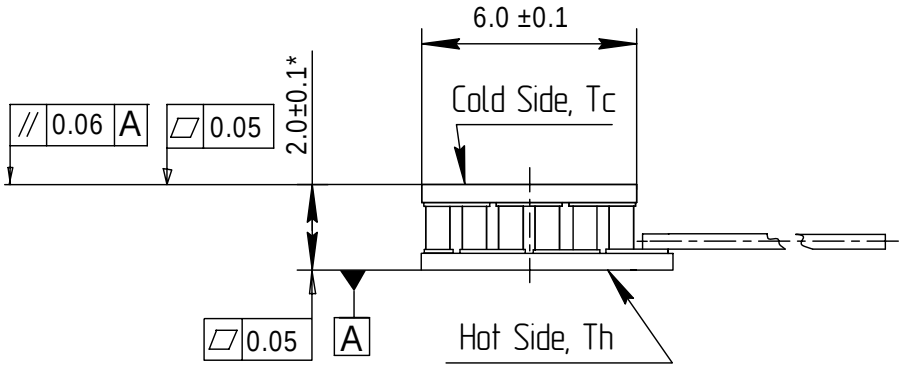
Imax (amps)	1.5 ± 0.1	ΔT=ΔTmax. Th=27 ± 0.5 °C.
Vmax (volts)	2.1 ± 0.5	Th=27 ± 0.5 °C. ΔT=ΔTmax. I=Imax ± 0.1A. IN VACUUM (0.13 Pa)
ΔTmax °C	72°	Th=27 ± 0.5 °C. I=Imax ± 0.1A. IN VACUUM (0.13 Pa)
Qmax (watts)	1.9	Th=Tc=27 ± 0.5 °C. I=Imax ± 0.1A. IN VACUUM (0.13 Pa)
AC resistance (ohms)	1.25 ± 0.2	27 ± 0.5 °C.

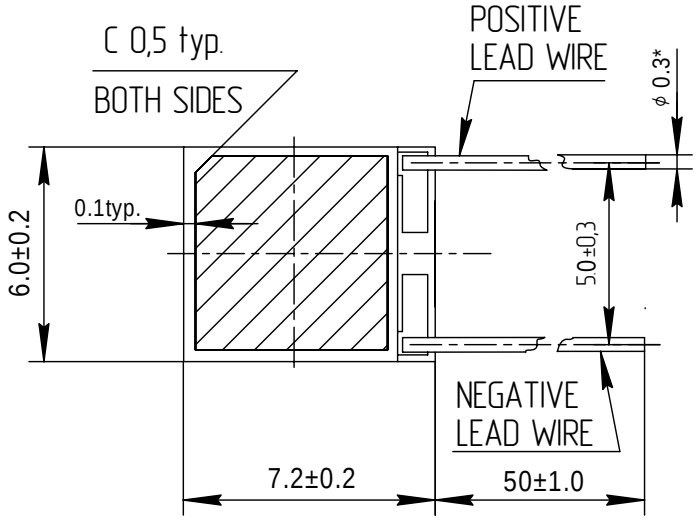
Maximum processing temperature +220 °C

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: Al2O3, white 96%;
- Metallization: Cu+Ni+Au, Cold Side and Hot Side
- Solder: SnSb, M.P. 232 °C

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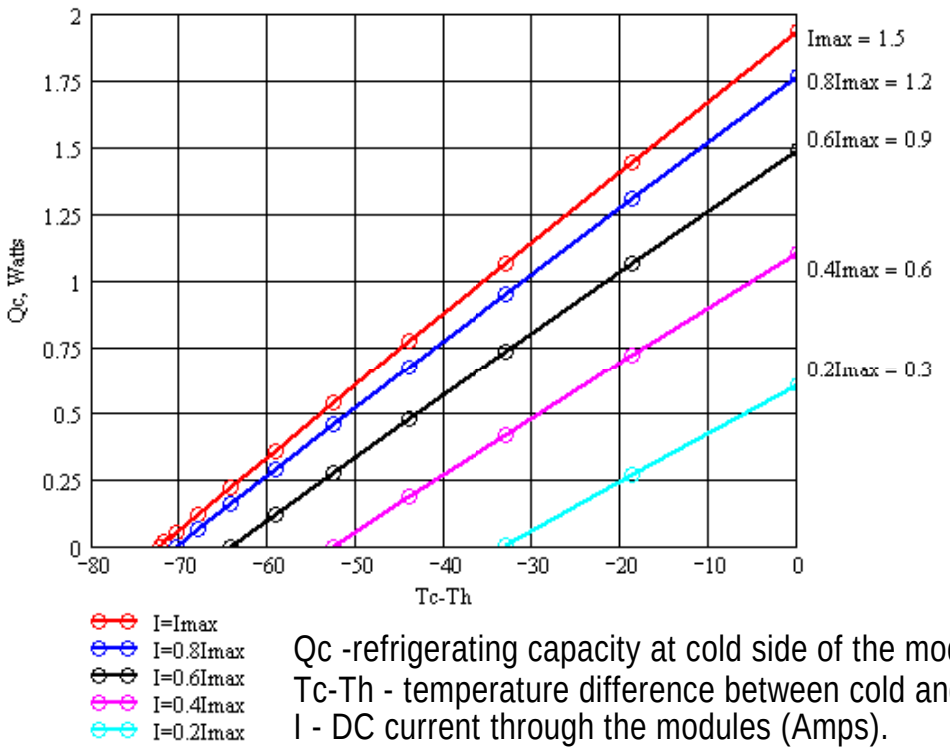
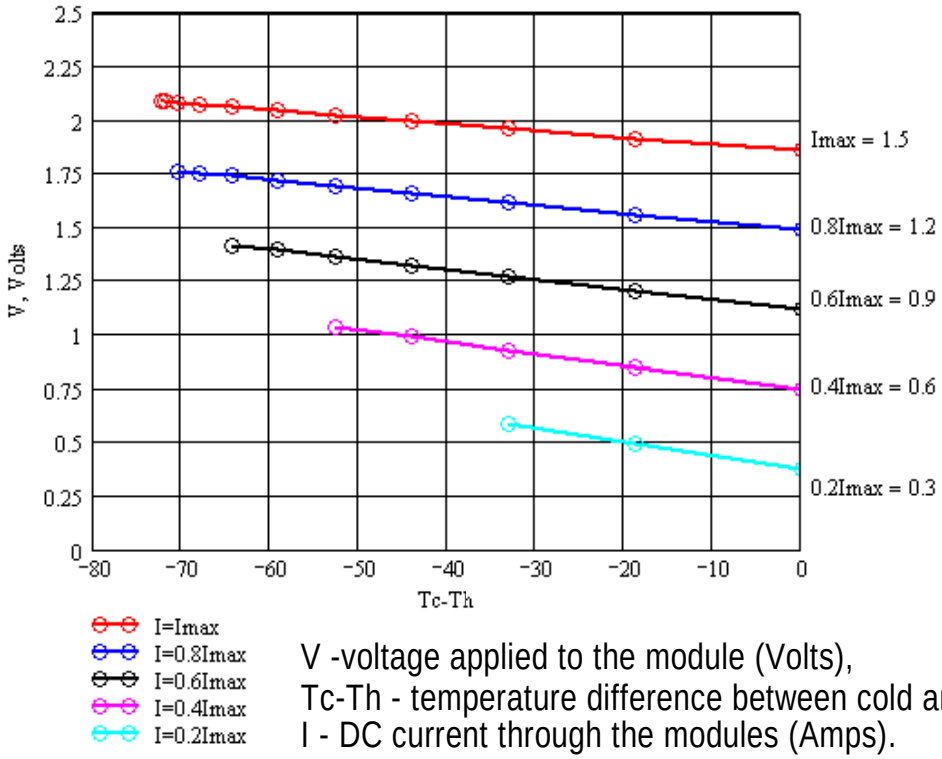
http://www.sctbnord.com; e-mail info@sctbnord.com

Thermoelectric module TM-18-0.6-1.5

Performance graphs at Hot Side Temperature Th=27 °C



Qc -refrigerating capacity at cold side of the module (Watts),
Tc-Th - temperature difference between cold and hot sides of the module (°C),
I - DC current through the modules (Amps).



V -voltage applied to the module (Volts),
Tc-Th - temperature difference between cold and hot sides of the module(°C),
I - DC current through the modules (Amps).

Environment: Vacuum

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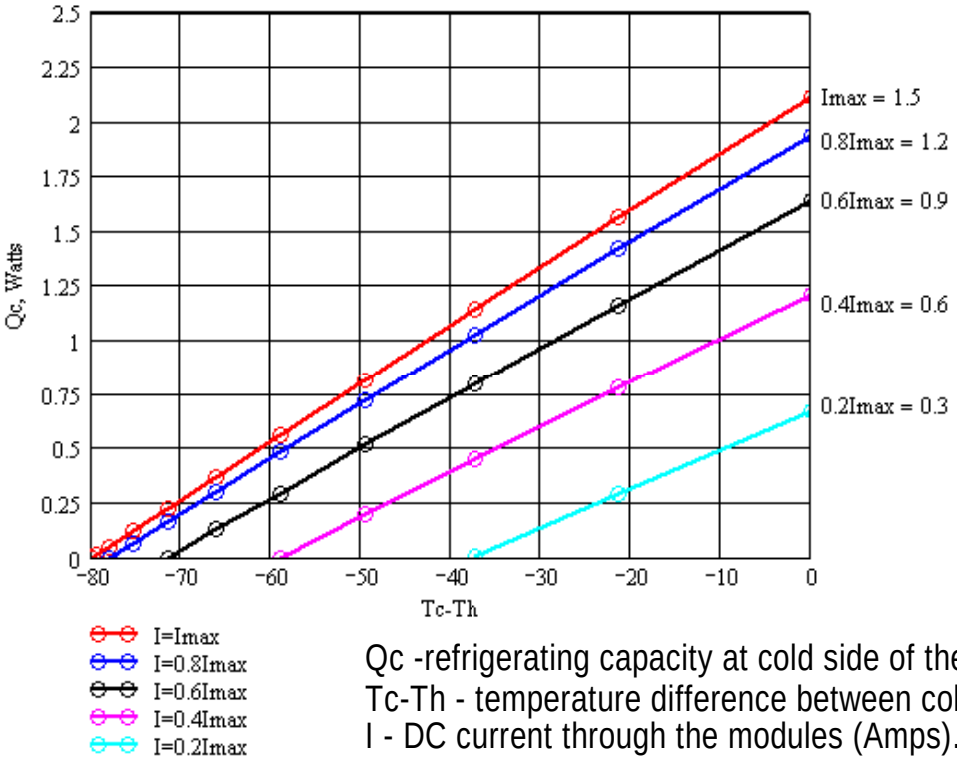
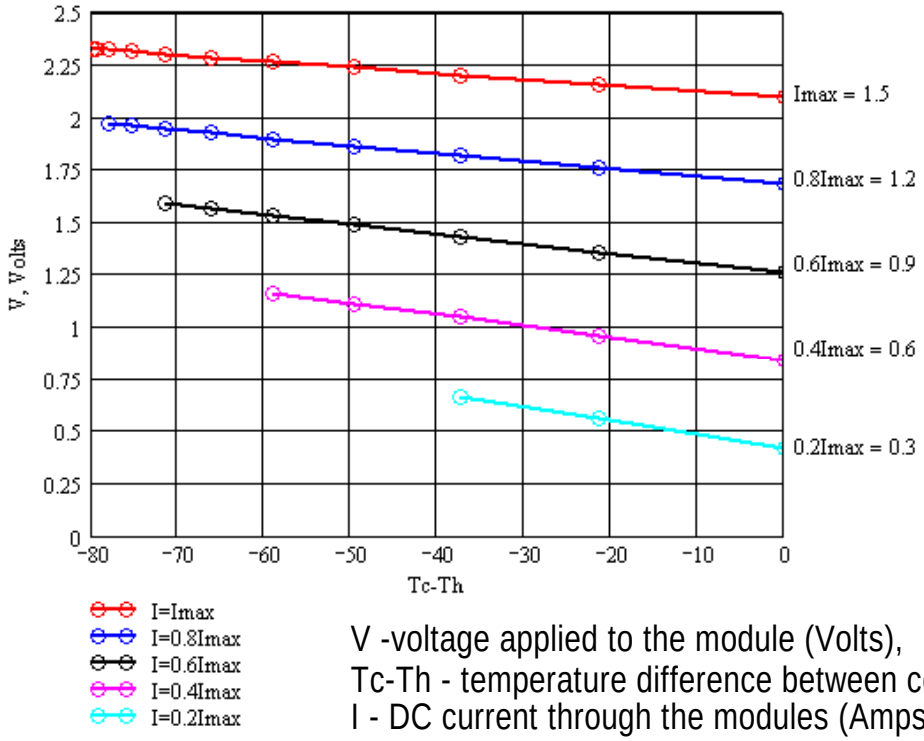
Thermoelectric module TM-18-0.6-1.5

Performance graphs at Hot Side Temperature Th=50 °C



Qc -refrigerating capacity at cold side of the module (Watts),
Tc-Th - temperature difference between cold and hot sides of the module (°C),
I - DC current through the modules (Amps).



V -voltage applied to the module (Volts),
Tc-Th - temperature difference between cold and hot sides of the module(°C),
I - DC current through the modules (Amps).

Environment: Vacuum

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