Thermoelectric module TM - 71-1.0-2.5

Perfomance Data

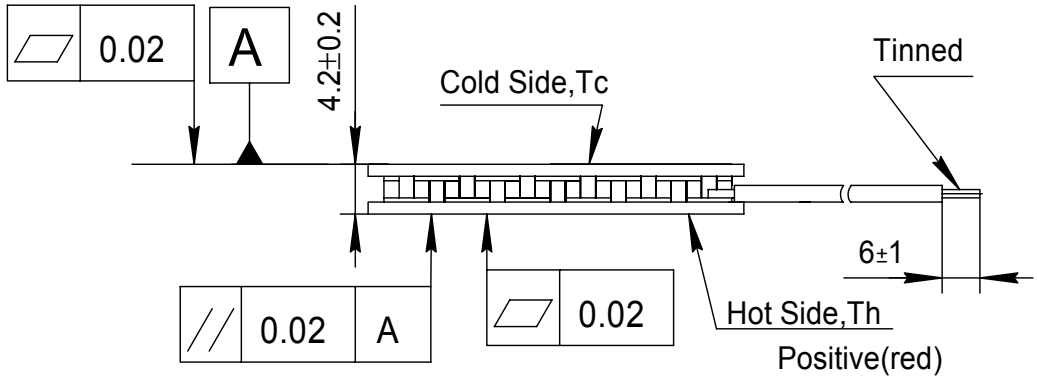
Imax (amps)	2.7	ΔT=ΔTmax. Th=25 ± 0.5 °C.
Vmax (volts)	8.1	Th=25 ± 0.5 °C. ΔT=ΔTmax. I=Imax ± 0.1A
ΔTmax (°C)	71	Th=25 ± 0.5 °C. I=Imax ± 0.1A
Qmax (watts)	13.1	Th=Tc=25 ± 0.5 °C. I=Imax ± 0.1A
AC resistance (ohms)	2.7	25 ± 0.5 °C.

Environment: dry air, N_2

Tolerances for thermal and electrical parameters ± 10%

Drawing № ND 069.00.00

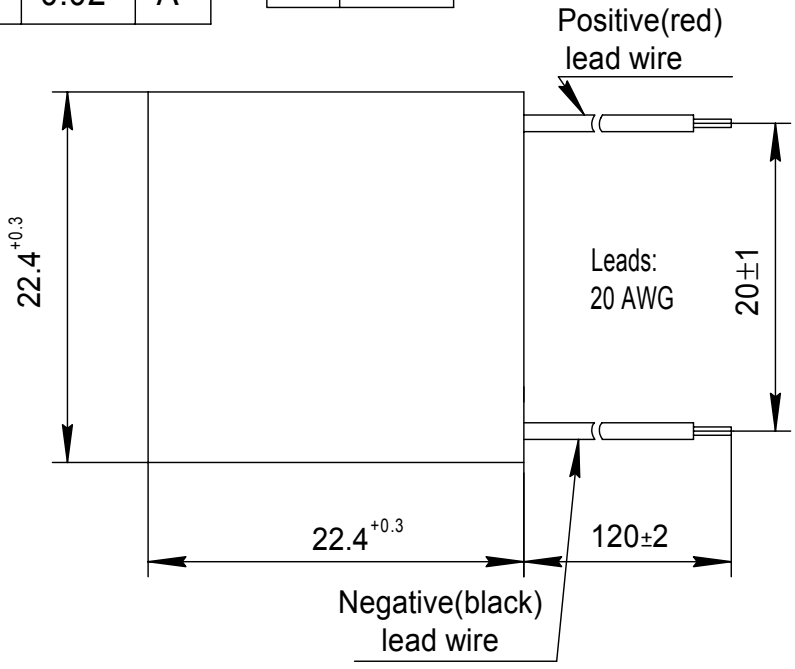
Dimensions in millimeters



Options

Model Number	Description
TM-71-1.0-2.5 M	High reliable version on Cold Side

Lead wire insulation	Module maximum processing temperature
PVC	90°C
Silicone	200°C
PTFE	200°C

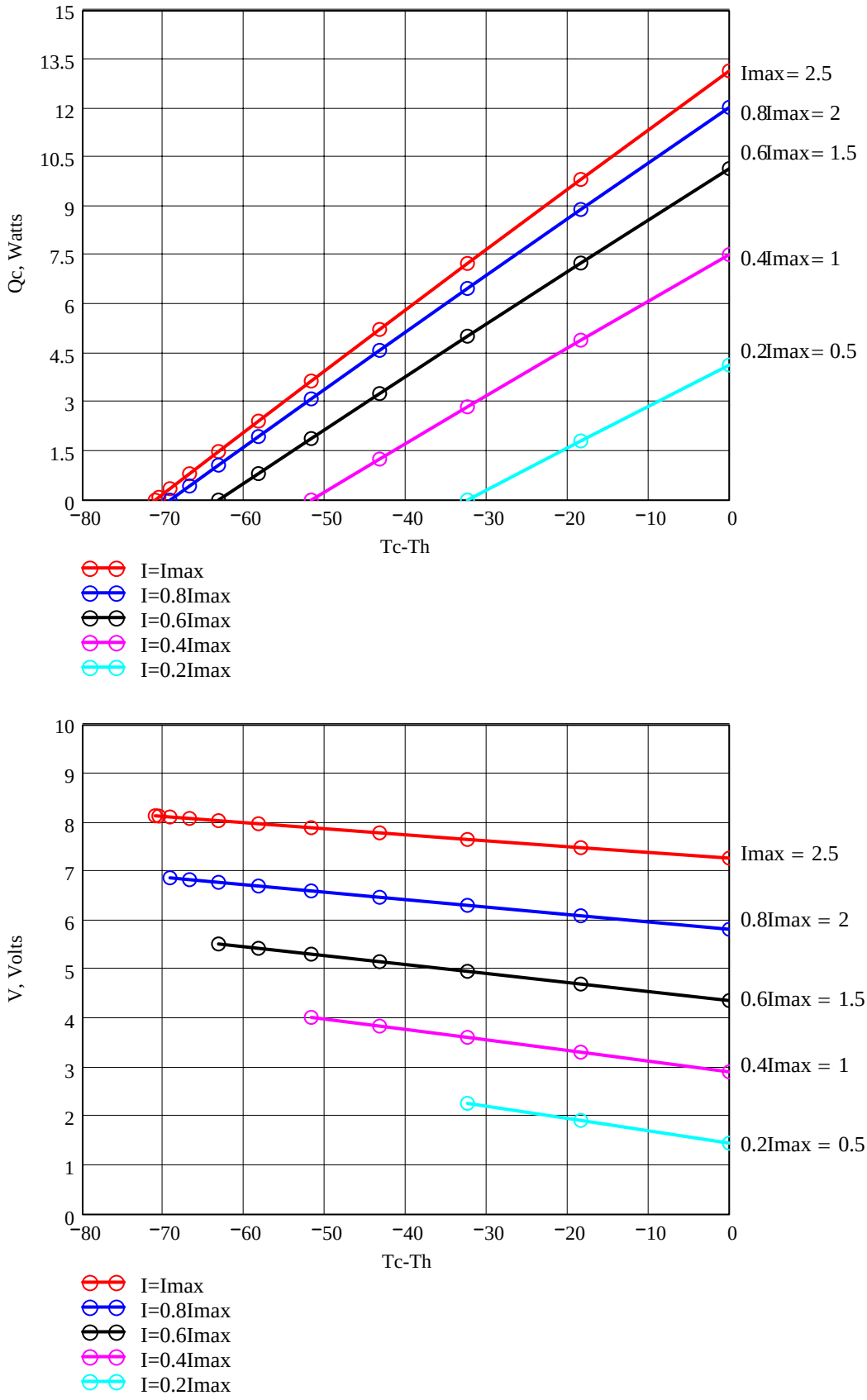


Additional

- RoHS 2002/95/EC compliant
- Cold Side and Hot Side Ceramics: Al2O3, white 96%
- Assembling Solder: SnSb, M.P. 232 °C ; SnCu M.P. 227 °C

SCTB NORD, 3,Peschany Carier, 109383 Moscow, Russia;
Tel +7(495)-357-67-71; FAX +7(495)-348-07-00;
http://www.sctbnord.com; e-mail info@sctbnord.com

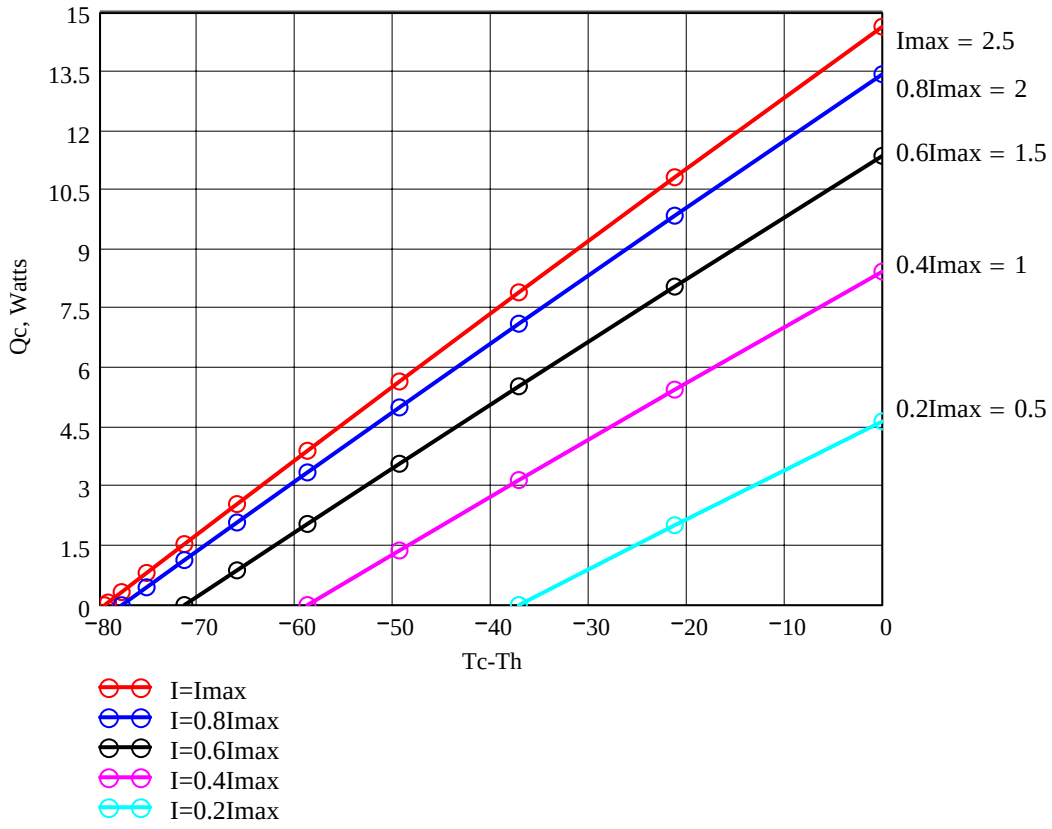
Performance graphs for TM-71-1.0-2.5 modules at Th=25 ºC
Environment: dry air, N_2

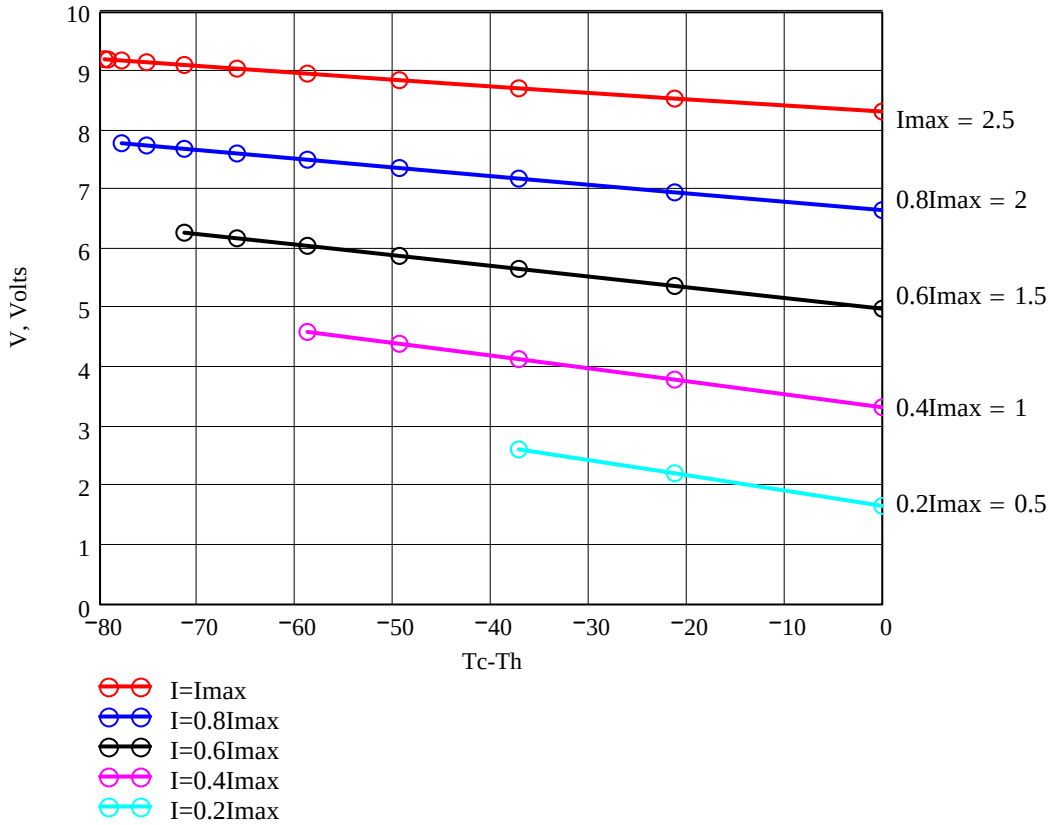


Qc -refrigerating capacity at cold side of the module (Watts),

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

Performance graphs for TM-71-1.0-2.5 modules at Th=50 ºC
Environment: dry air, N_2





Qc -refrigerating capacity at cold side of the module (Watts),

ΔT=Tc-Th - temperature difference between cold and hot sides of the module (ºC),

I - DC current through the modules (Amps)

V -voltage applied to the module (Volts).