

Thermoelectric module TM - 35-1.4-6.0



Performance Data

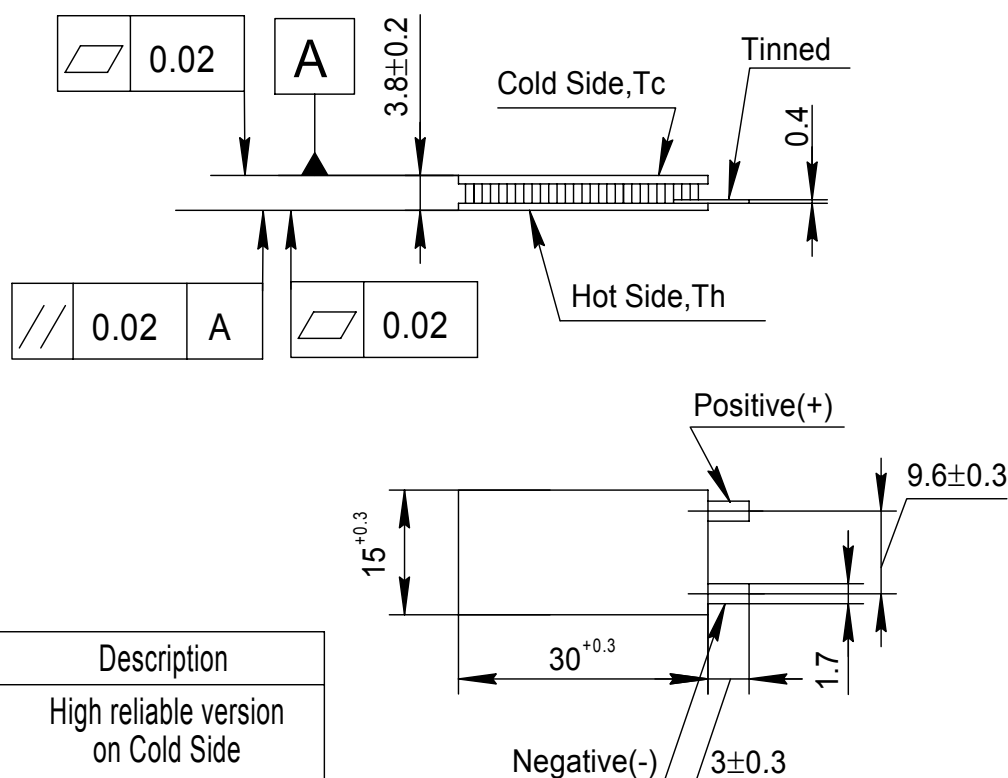
I _{max} (amps)	6.5	$\Delta T = \Delta T_{max}$. Th = 25 ± 0.5 °C.
V _{max} (volts)	4	Th = 25 ± 0.5 °C. $\Delta T = \Delta T_{max}$. I = I _{max} ± 0.1A
ΔT_{max} (°C)	71	Th = 25 ± 0.5 °C. I = I _{max} ± 0.1A
Q _{max} (watts)	15.5	Th = Tc = 25 ± 0.5 °C. I = I _{max} ± 0.1A
AC resistance (ohms)	0.6	25 ± 0.5 °C.

Environment: dry air, N₂

Tolerances for thermal and electrical parameters ± 10%

Drawing № ND 039.00.00

Dimensions in millimeters



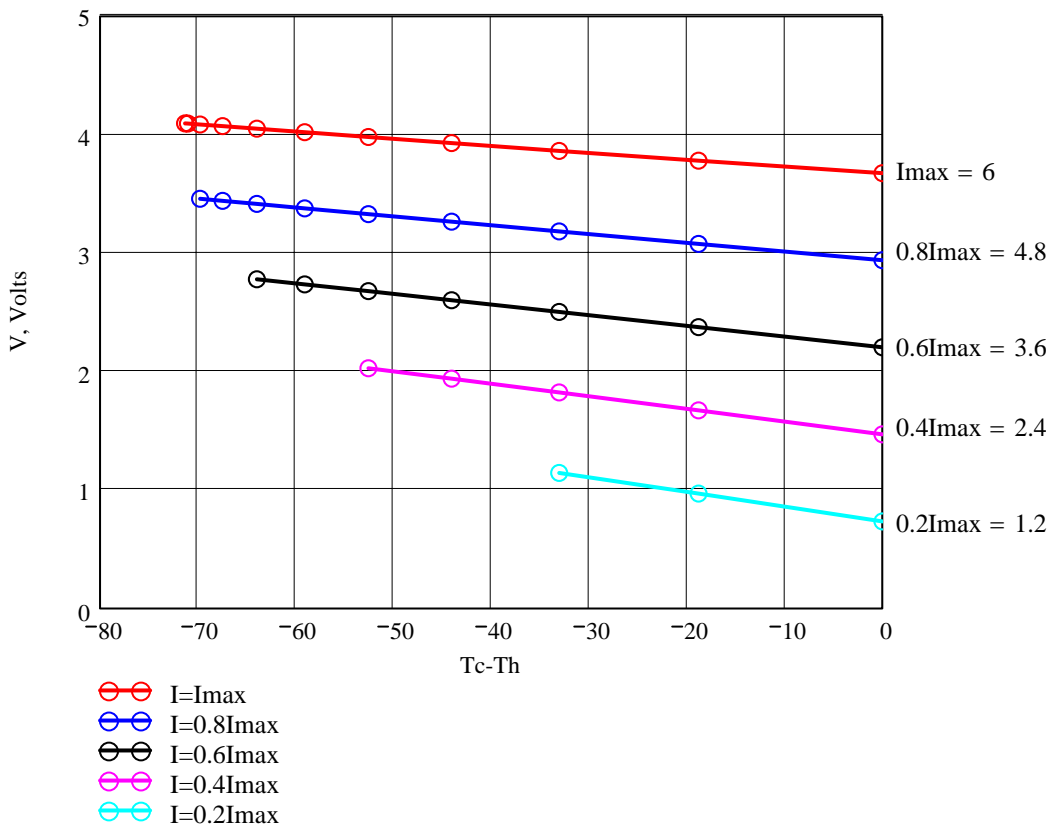
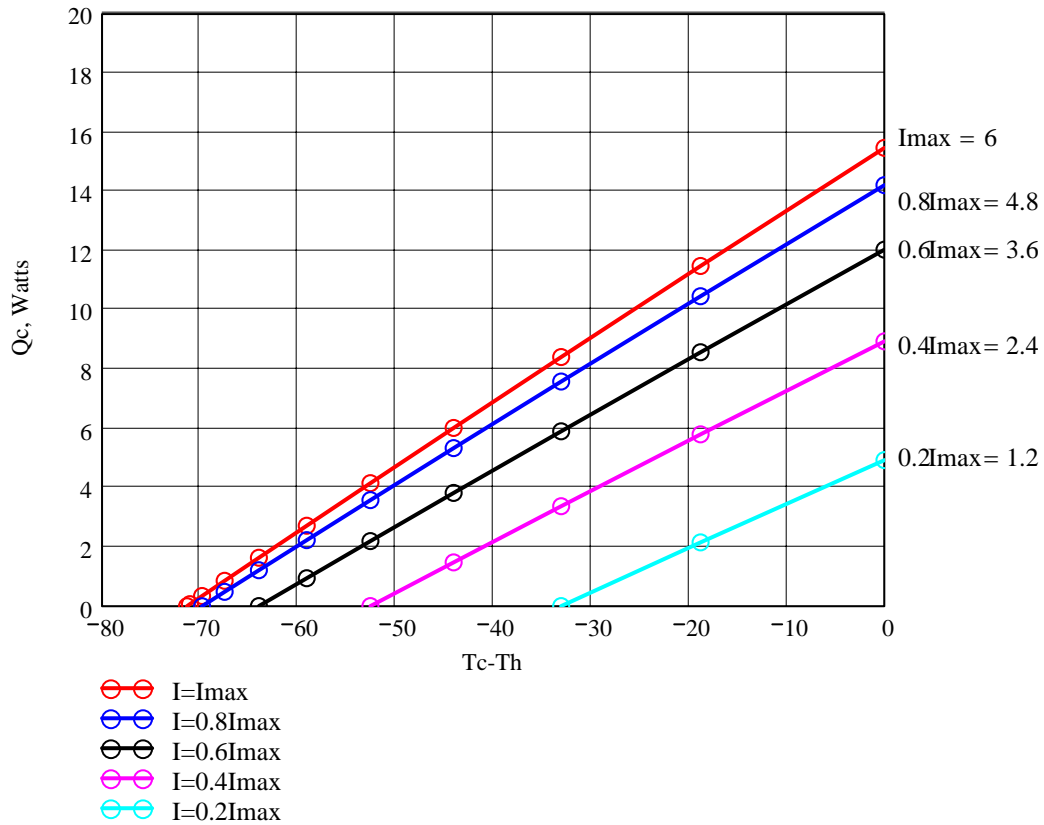
Options

Model Number	Description
TM-35-1.4-6.0 M	High reliable version on Cold Side

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

Performance graphs for TM-35-1.4-6.0 modules at Th=25 °C
 Environment: dry air, N₂



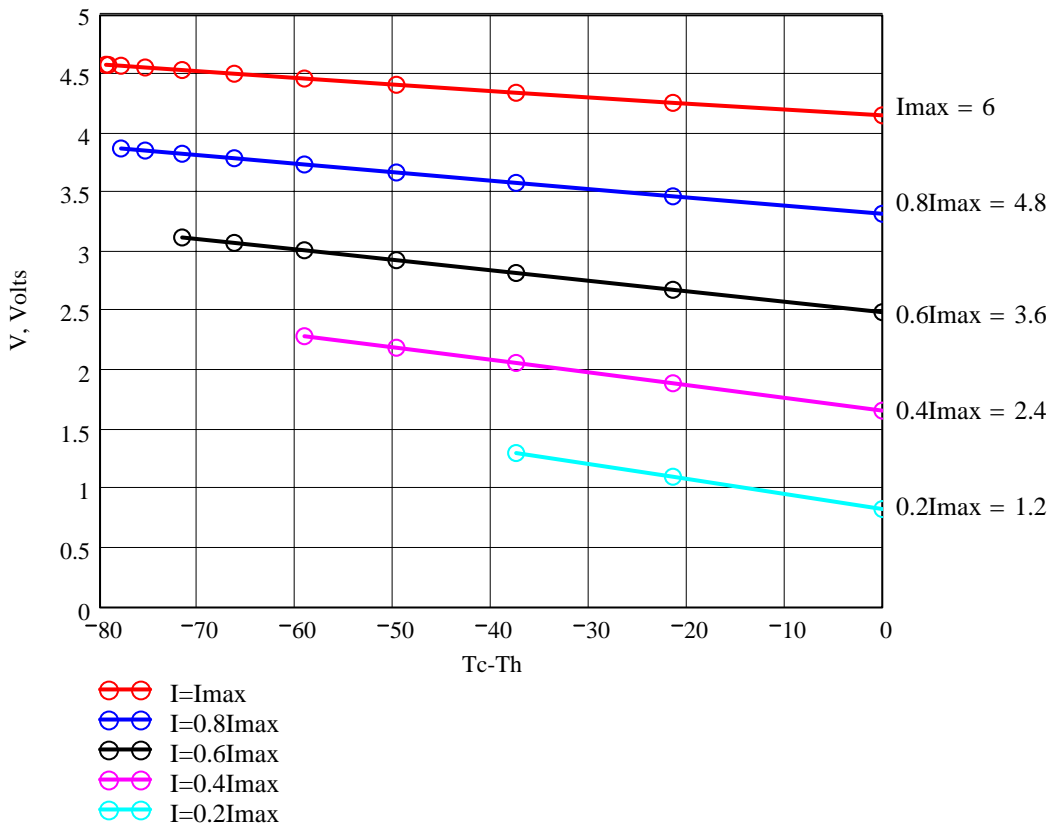
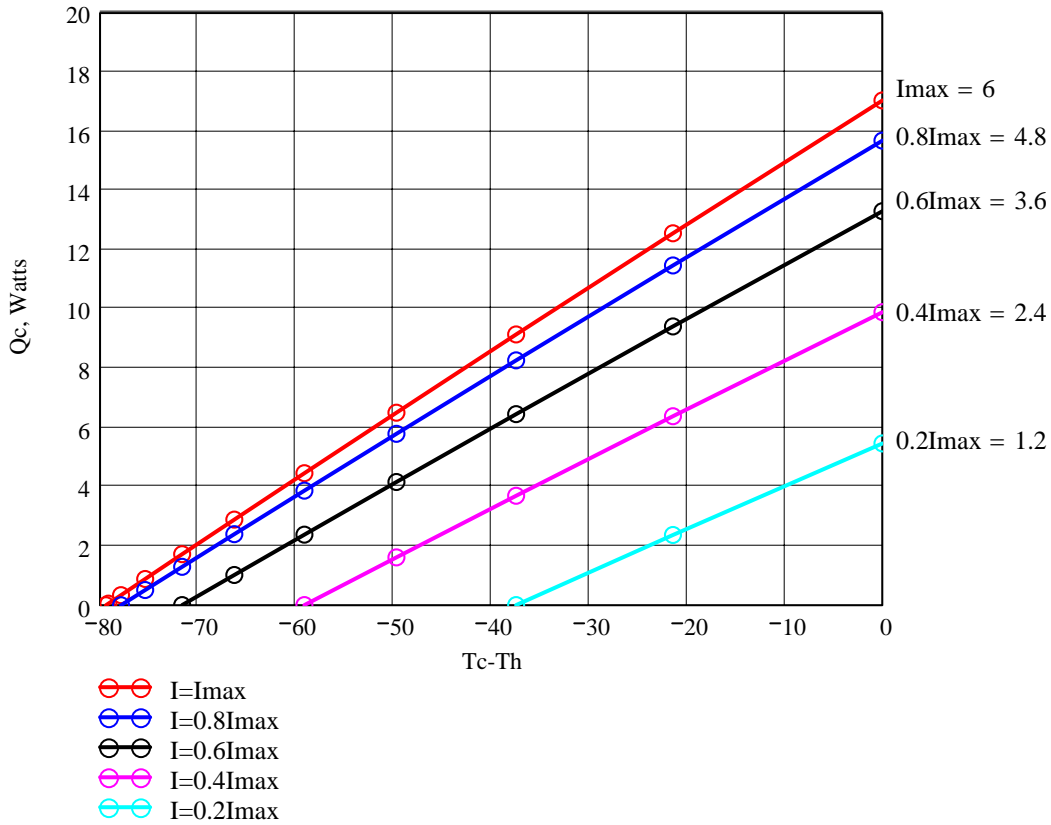
Q_c -refrigerating capacity at cold side of the module (Watts),

ΔT=T_c-T_h - 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).

Performance graphs for TM-35-1.4-6.0 modules at $T_h=50\text{ }^\circ\text{C}$
 Environment: dry air, N_2



Q_c -refrigerating capacity at cold side of the module (Watts),
 $\Delta T = T_c - T_h$ - 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).