

# Thermoelectric module TM - 35-1.4-6.0



## Performance Data

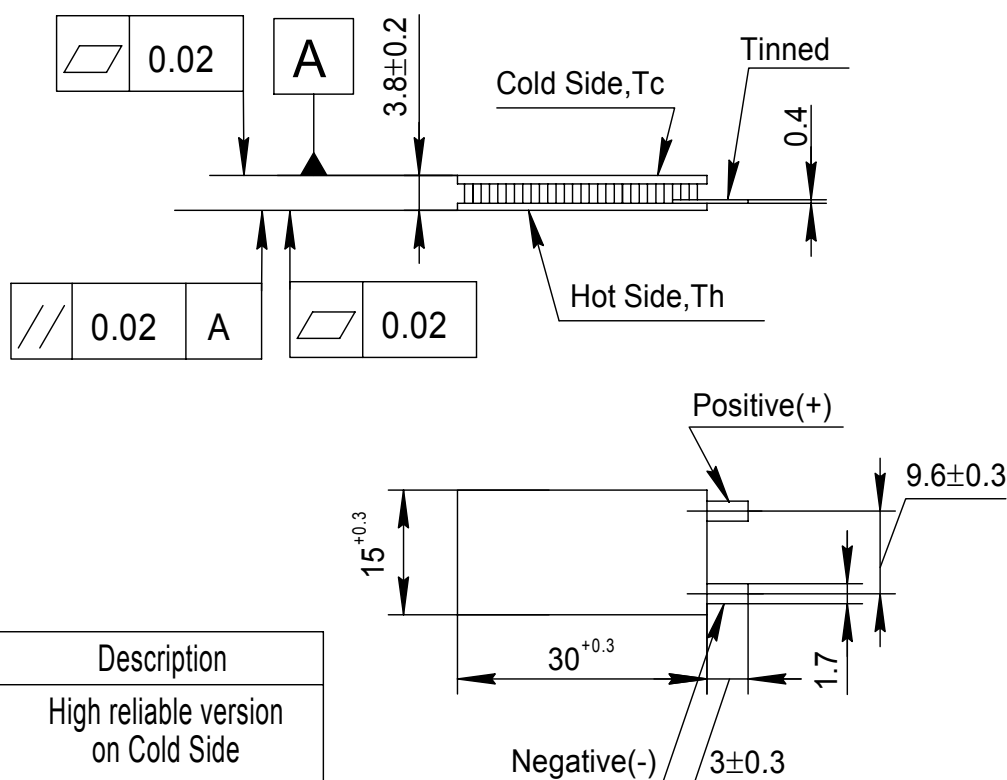
I <sub>max</sub> (amps)	6.5	$\Delta T = \Delta T_{max}$ . Th = $25 \pm 0.5$ °C.
V <sub>max</sub> (volts)	4	Th = $25 \pm 0.5$ °C. $\Delta T = \Delta T_{max}$ . I = I <sub>max</sub> $\pm$ 0.1A
$\Delta T_{max}$ (°C)	71	Th = $25 \pm 0.5$ °C. I = I <sub>max</sub> $\pm$ 0.1A
Q <sub>max</sub> (watts)	15.5	Th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

Environment: dry air, N<sub>2</sub>

Tolerances for thermal and electrical parameters  $\pm$  10%

Drawing № ND 039.00.00

Dimensions in millimeters



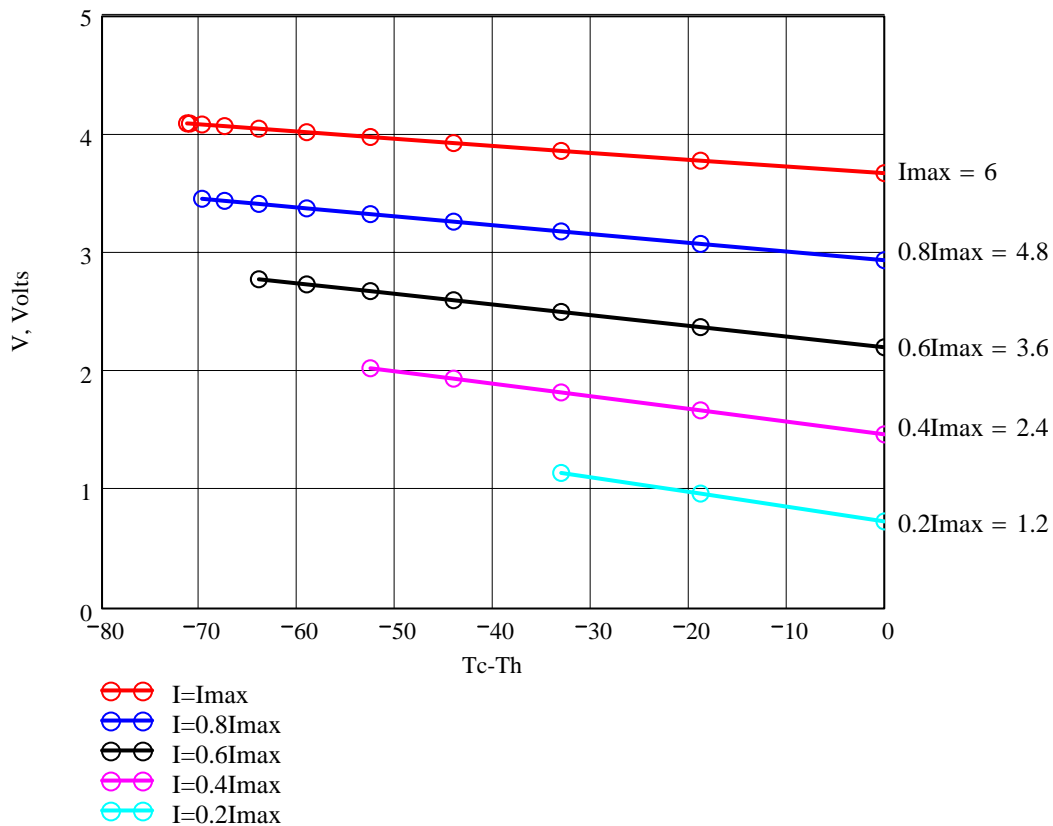
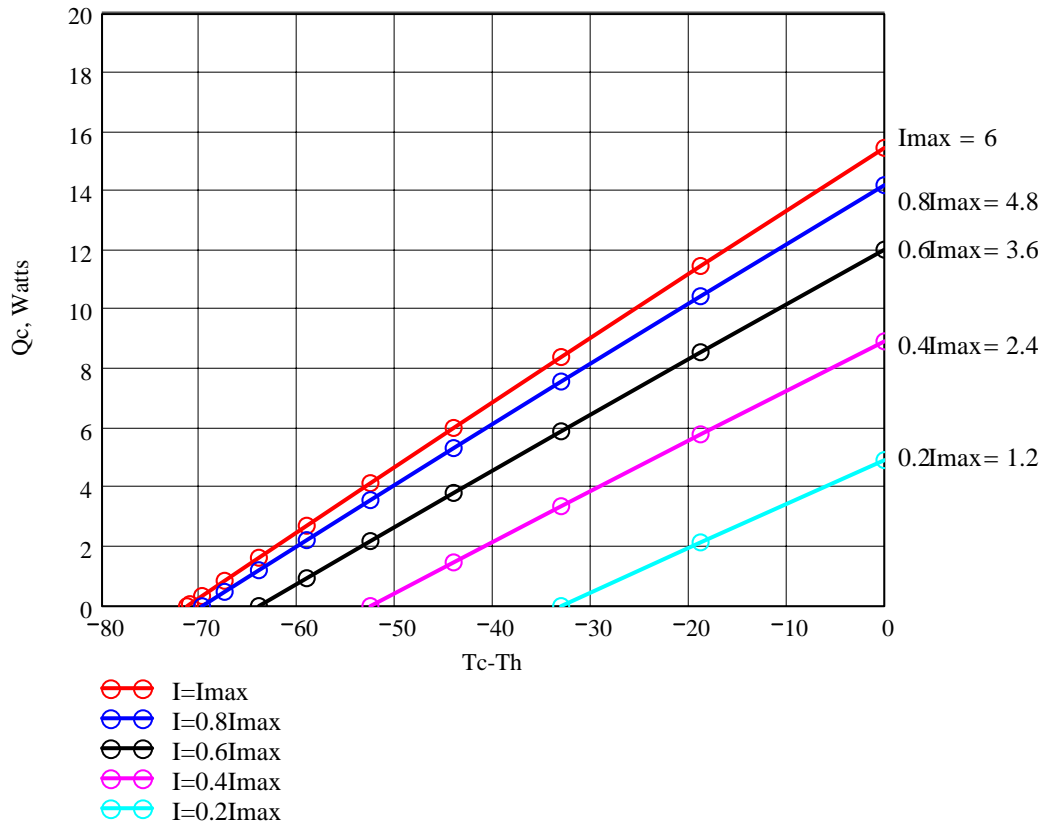
## Options

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: Al<sub>2</sub>O<sub>3</sub>, 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, N<sub>2</sub>



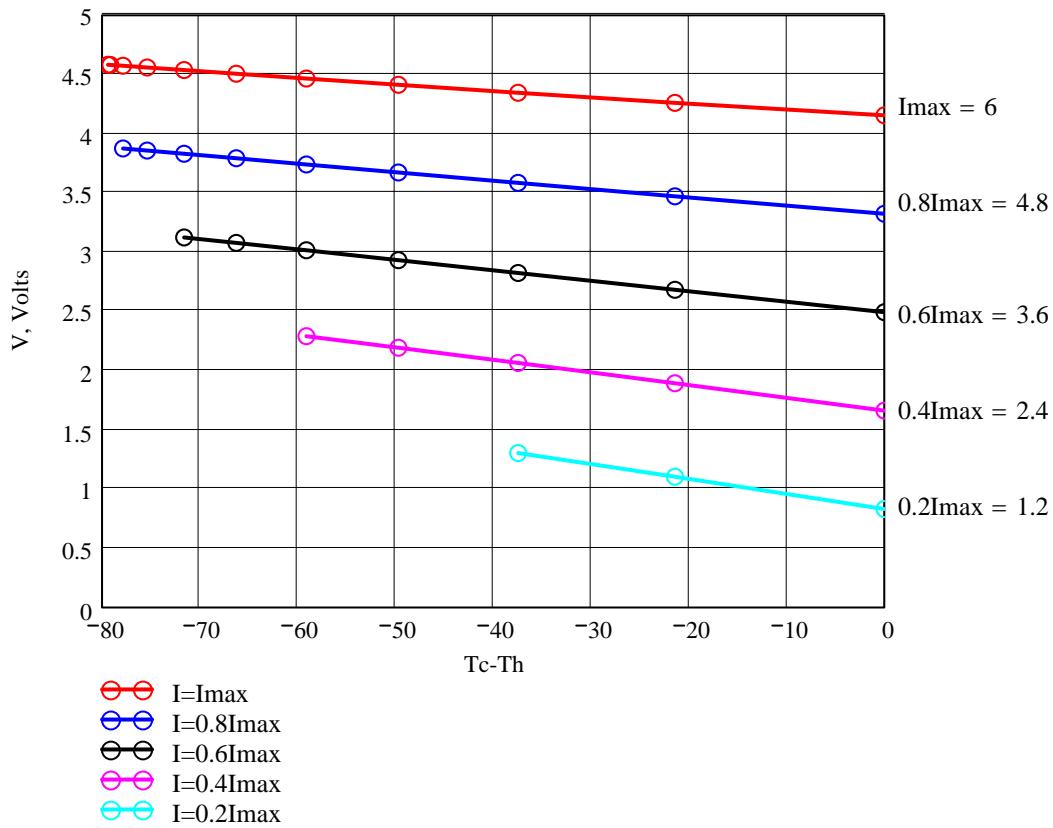
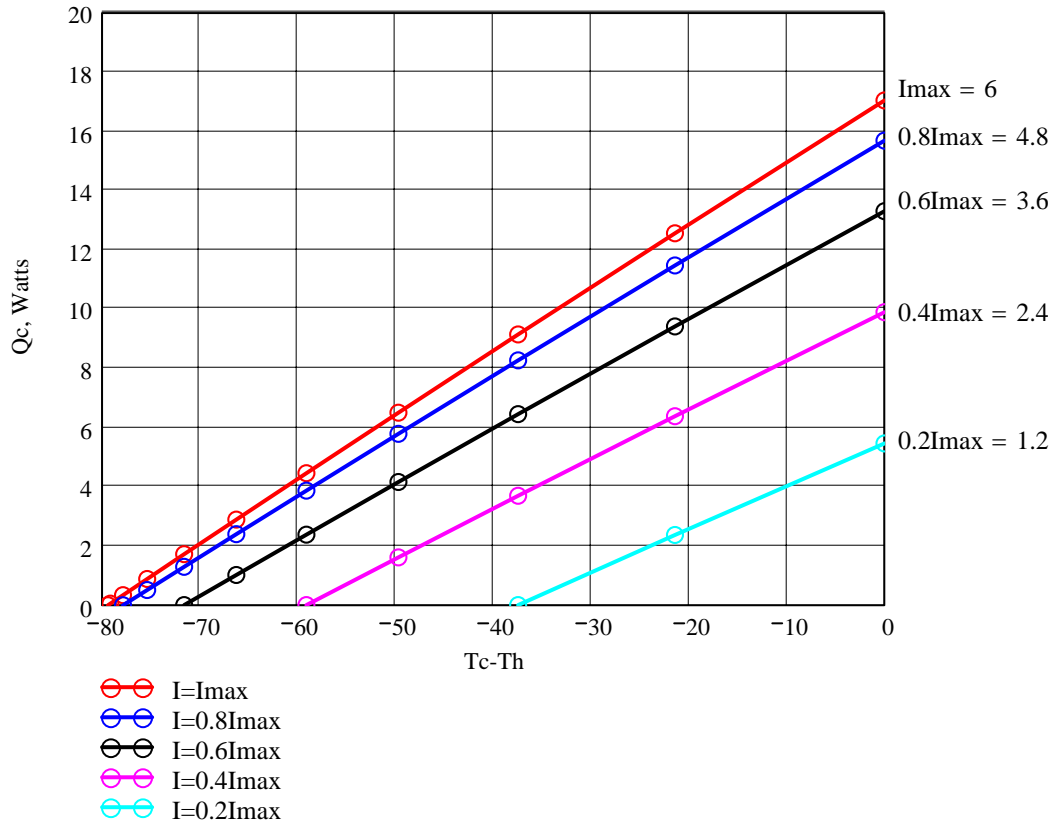
Q<sub>c</sub> -refrigerating capacity at cold side of the module (Watts),

ΔT=T<sub>c</sub>-T<sub>h</sub> - 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).