

Thermoelectric module TM-241-1.6-28.0 MM



Performance Data

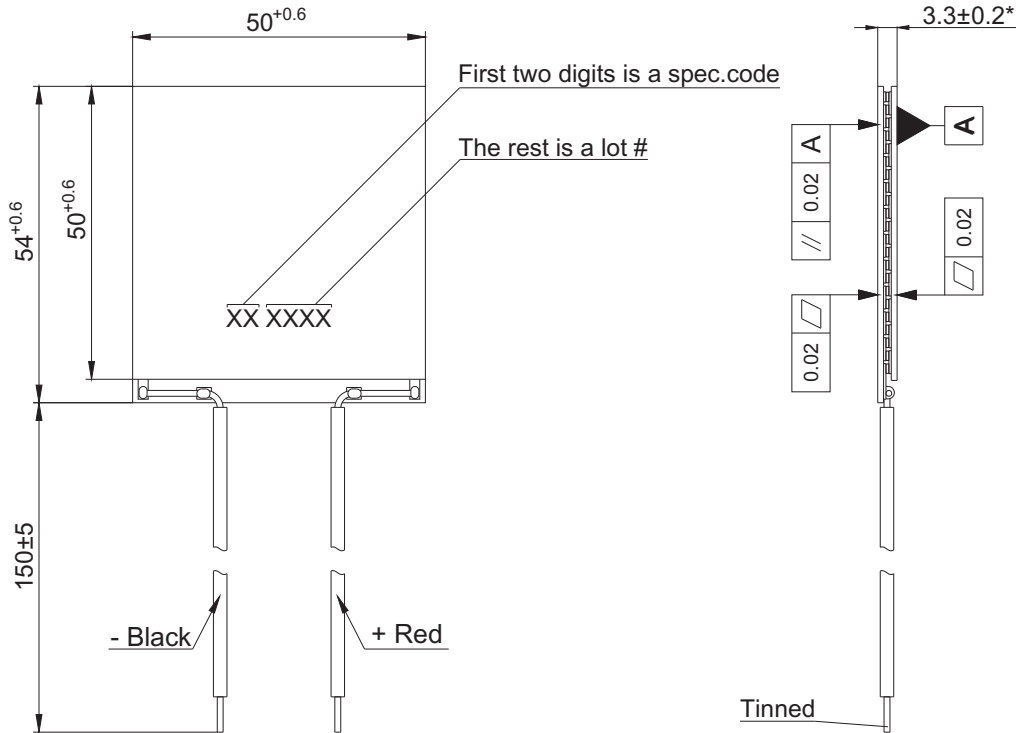
I _{max} (amps)	28	$\Delta T = \Delta T_{max}$ Th=25 ± 0.5 °C	I = 28 ± 0.5 A
V _{max} (volts)	27.7	Th=25 ± 0.5 °C $\Delta T = \Delta T_{max}$	I = 28 ± 0.5 A
ΔT_{max} (°C)	66	Th=25 ± 0.5 °C	I = 28 ± 0.5 A
Q _{max} (watts)	430	Th=T _c =25 ± 0.5 °C	I = 28 ± 0.5 A
AC resistance (ohms)	0.87	25 ± 0.5 °C	

Environment: dry air

Tolerances for thermal and electrical parameters ± 10%

Drawing # ND 281.00.00 C-1

Dimensions in millimeters



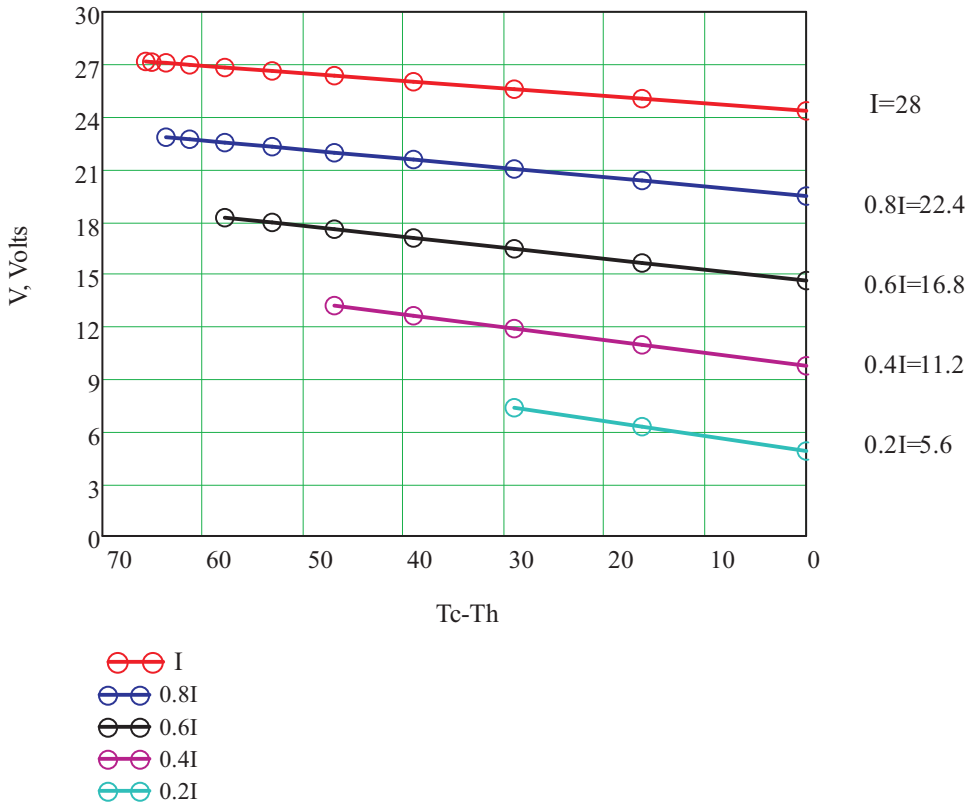
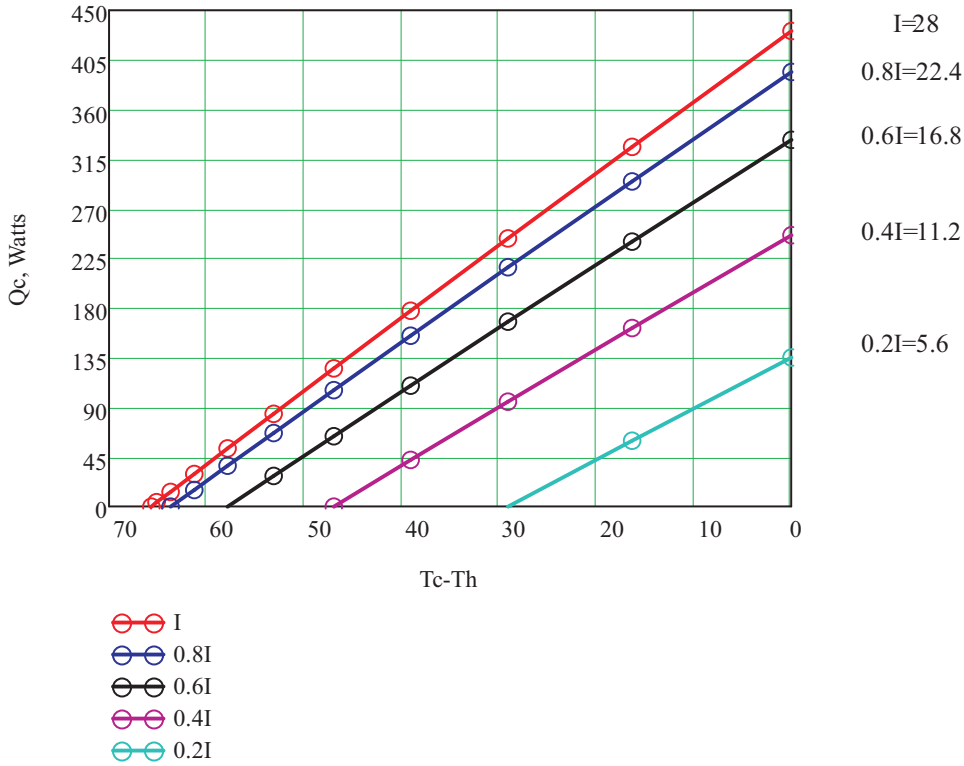
Options

Model Number	Description
TM-241-1.6-28 MM	High reliable version on Hot Side and Cold Side
Lead wire insulation	PVC; Silicone; PTFE

Additional

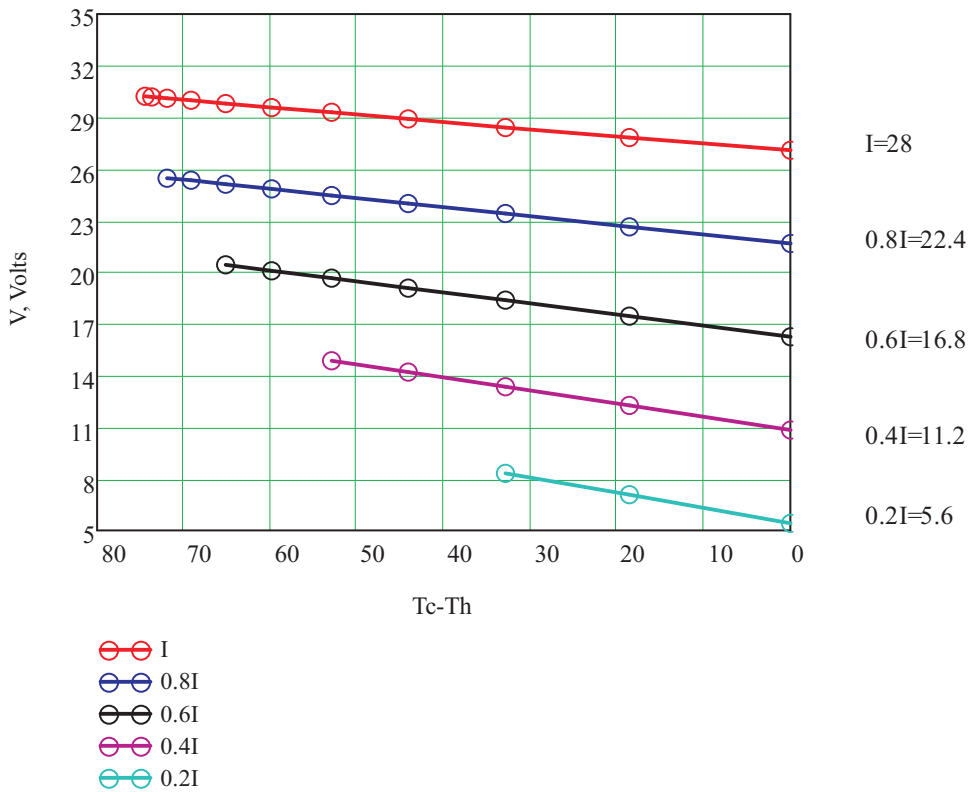
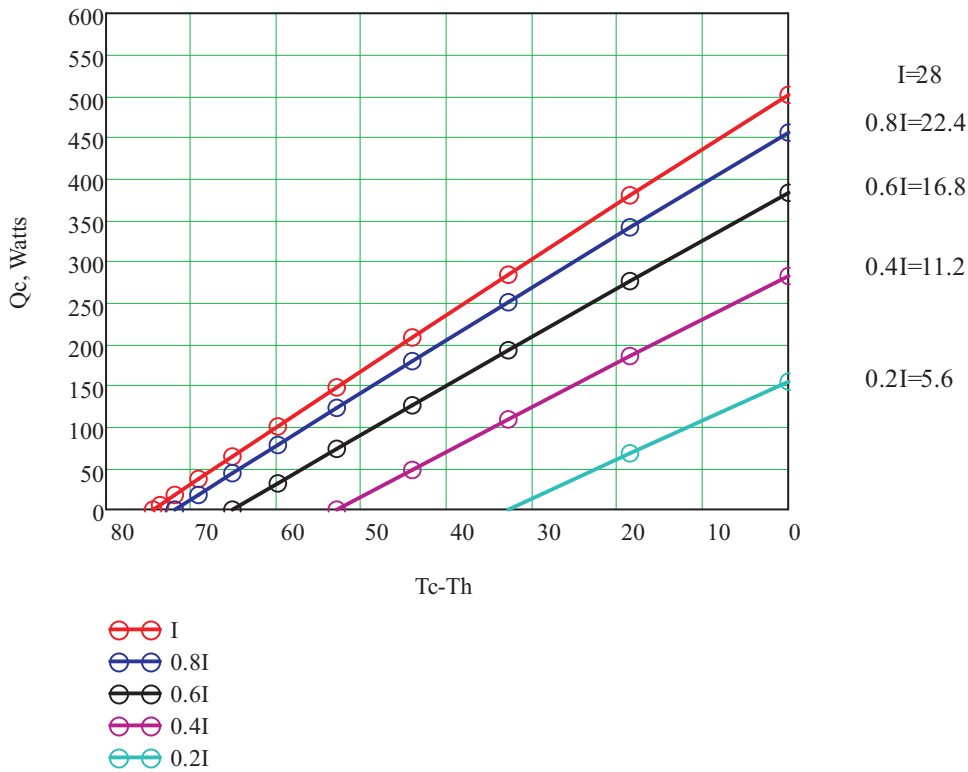
- RoHS 2002/95/EC compliant
- Cold Side and Hot Side Ceramics: Al₂O₃, white 96%
- Assembling Solder: SnSb, M.P. 232 °C
SnCu, M.P. 227 °C
SnBi, M.P. 139 °C

Performance graphs for TM-241-1.6-28.0 MM modules at Th=25 °C
 Environment: dry air



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).

Performance graphs for TM-241-1.6-28.0 MM modules at Th=50 °C
 Environment: dry air



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).