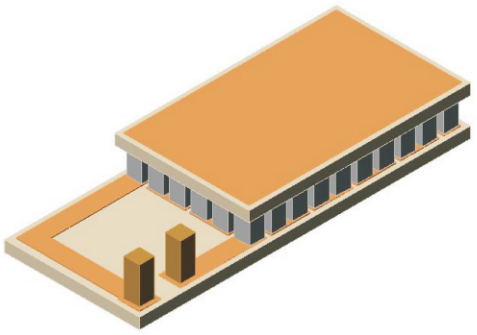
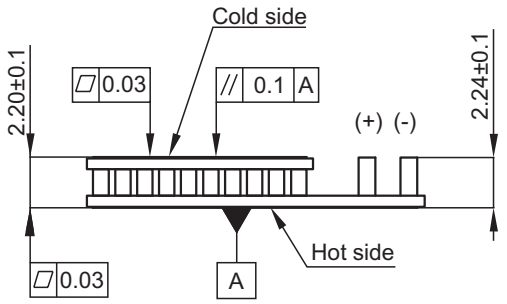
Thermoelectric Module TM-30-0.7-1.8

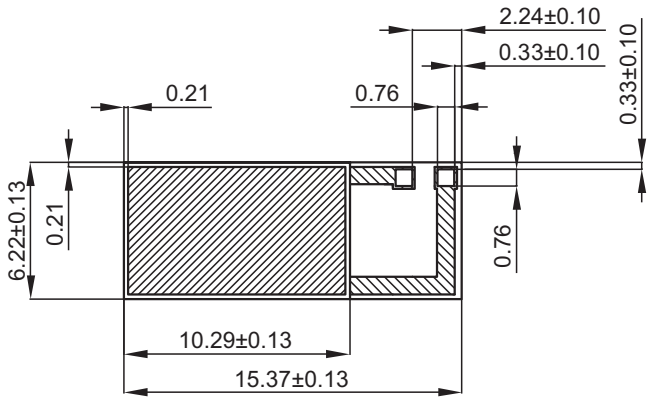
Performance Data

Vmax	(V)	3.4	T_{hot}=27 °C Vacuum (0.13 Pa or less)
Qmax	(W)	4.0	
ΔTmax	(°C)	73	
Imax	(A)	1.8	
R	(Ohm)	1.6	

Maximum processing temperature 225 °C
This product is compliant to RoHS (2002/95/EC)







All dimentions are in millimeters

Ordering options

Module type	Description
TM-30-0.7-1.8	*No metallized exterior*
TM-30-0.7-1.8 T	*Hot side has metallized exterior*
TM-30-0.7-1.8 TT	*Hot side and Cold side has metallized exterior*

Available modifications

- Pretinning is available on metallized module surfaces upon request:

Solder	$T_{melting\ point}$, °C	*Notice*
In-Ag	143	*RoHS compliant*
Bi-Sn	138	*RoHS compliant*
In-Sn	117	*RoHS compliant*
Sn-Ag-Cu	217	*RoHS compliant*
Pb-Sn	183	*Non RoHS compliant*
Sn-Pb-Ag	179	*Non RoHS compliant*
Pb-Sn-Bi	94	*Non RoHS compliant*

- Results of output screening test can be provided upon request
- Relability qualification can be perfomed upon request

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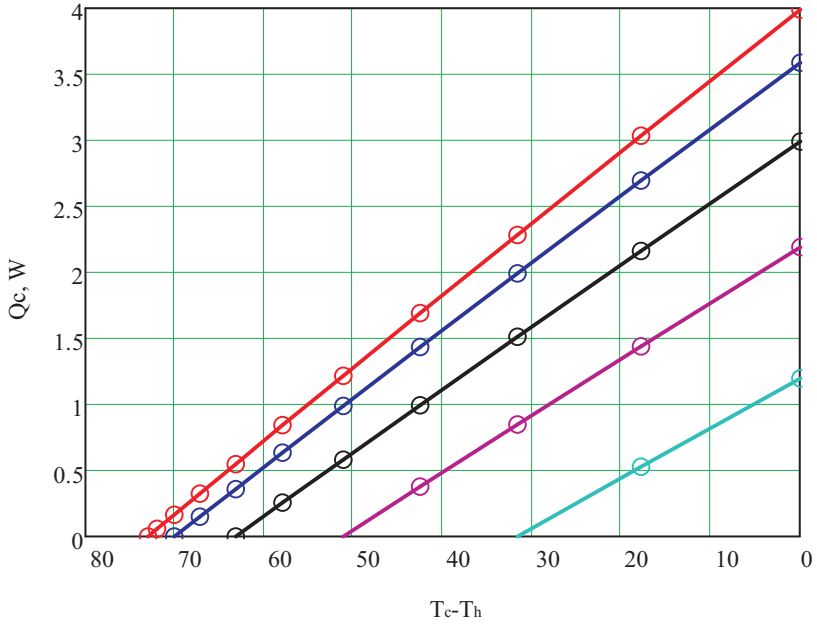
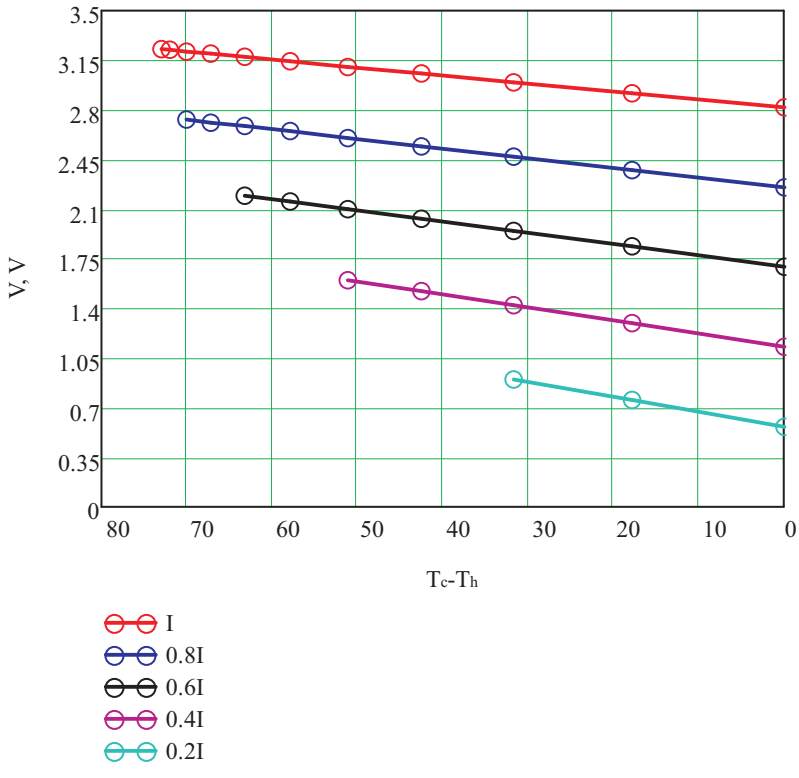
Performance graphs for TM-30-0.7-1.8 modules at T_h =27 °C
Environment: Vacuum (0.13 Pa)





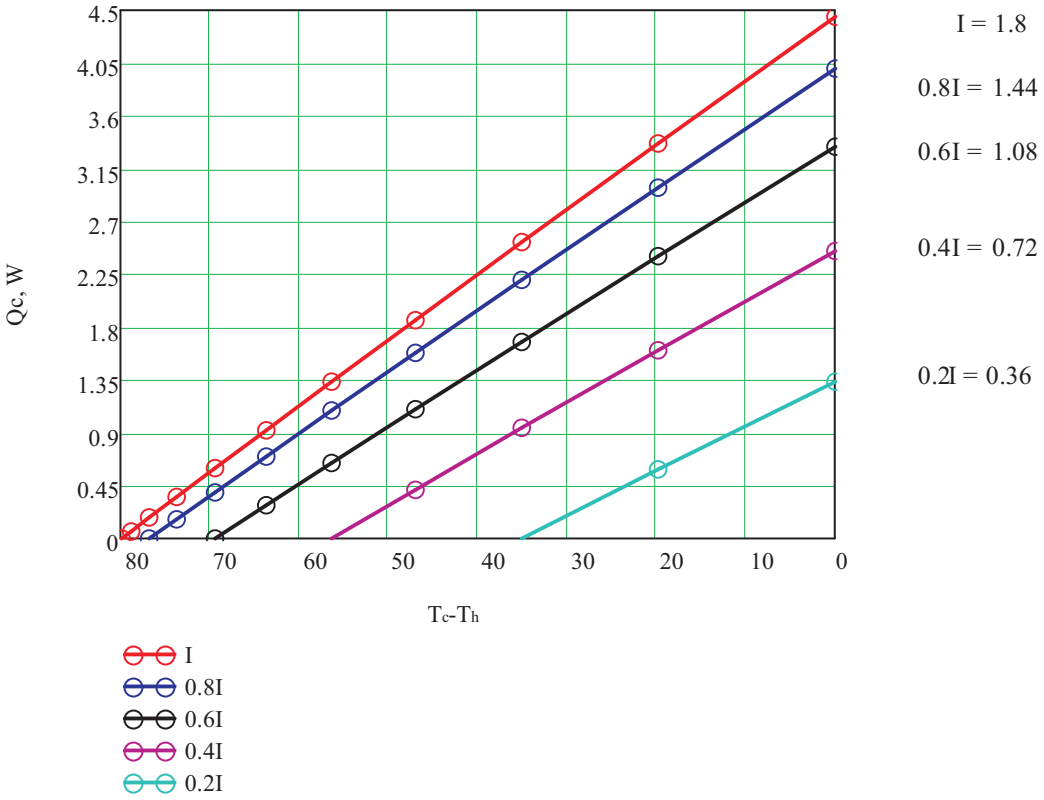
Q_c -refrigerating capacity at cold side of the module (W),

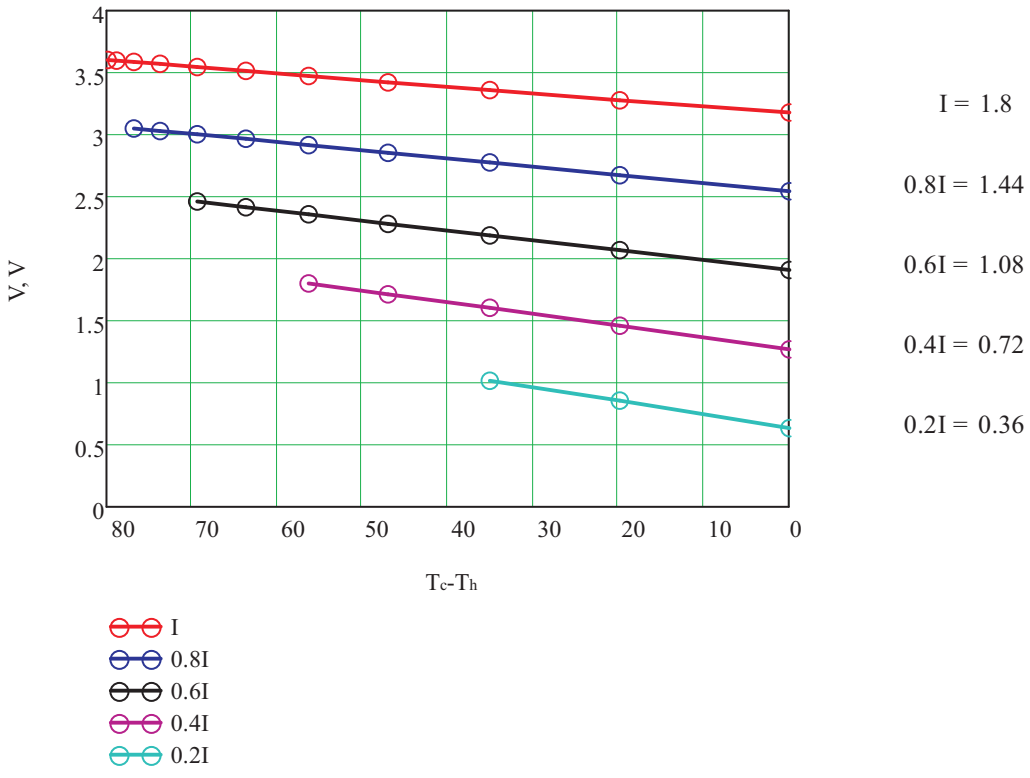
$\Delta T = T_c - T_h$ - temperature difference between cold and hot sides of the module (°C),

I - DC current through the modules (A)

V -voltage applied to the module (V).

Performance graphs for TM-30-0.7-1.8 modules at T_h =50 °C
Environment: Vacuum (0.13 Pa)





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