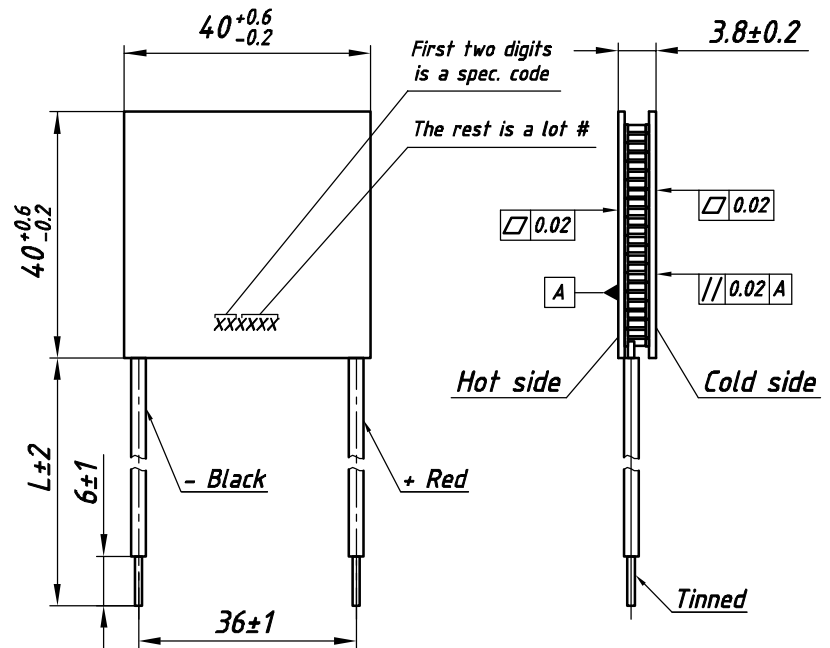


TECHNICAL DATA

U_{max}	18.5 V	$T_{hot}=25^{\circ}C$ Vacuum
Q_{max}	71 W	
ΔT_{max}	72°	
I_{max}	6.5 A	
ACR at 25°C	2.54 Ohm	
Pad type	Hot side Cold side	Ceramics Al ₂ O ₃ , white 96%
Max. processing temperature	Depends on chosen solder type	
Standard tolerances for thermal and electrical parameters ±10%		

MODULE DRAWING
standard design



STANDARD ORDERING OPTIONS

Nº	Option	Parameter
1	Lead wires	AWG Nº
		18 20 22
		L - under customer request
2	Lead wires insulation	Type / Max. processing temp.
		Without insulation / See solder type m.p.t
		PVC-1 / 85° C
		PVC-2 / 105° C
		Silicone / 180° C
3	Internal solder	Type / Max. processing temp.
		Type-1 / 138° C
		Type-2 / 183° C *
		Type-3 / 227° C
		Type-4 / 232° C
4	Anticorrosional coating	yes no
		Type / Max. processing temp.
5	Sealing	Without sealing / 200° C
		Epoxy / 130° C
		Silicone / 180° C

AVAILABLE MODIFICATIONS

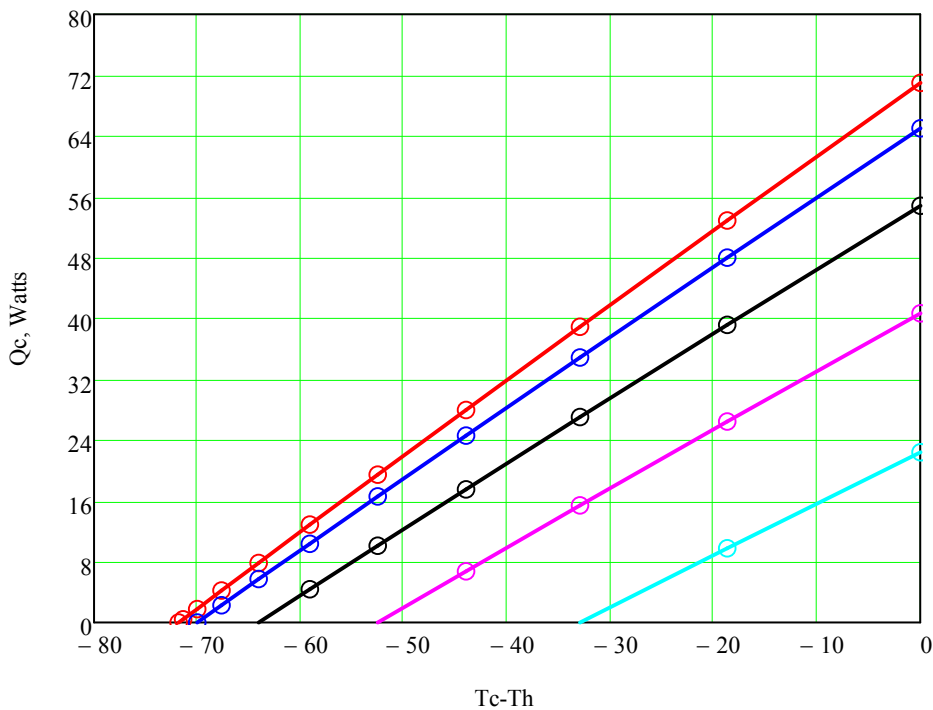
Design	Description
TMC-161-1.4-6.0 M	High reliable version on cold side for thermal cycling applications
TM-161-1.4-6.0 MM	High reliable version on both sides

OPTIONS UPON REQUEST

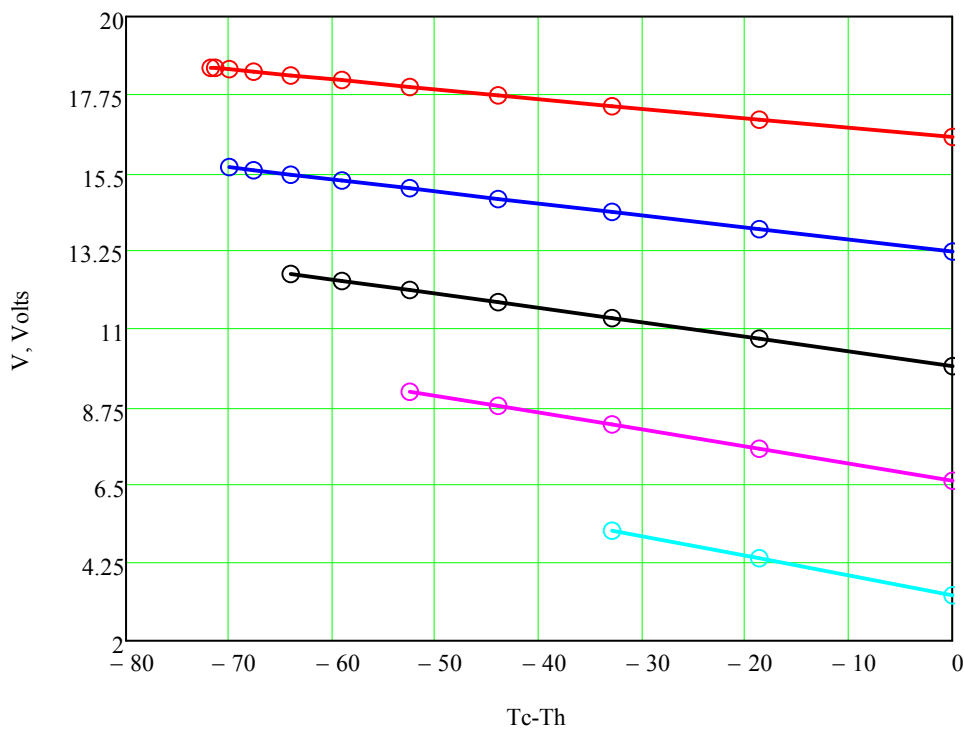
Height tolerance	± 0.02
Unflatness and nonparallelism	± 0.02
Porch-style design	

- Solder type marked * is not compliant to RoHS (2002/95/EC)
- For another options consult of our technical support engineers

Performance graphs for TM-161-1.4-6.0 module at $T_h=25\text{ }^\circ\text{C}$
 Environment: vacuum



- $I=I_{max}$
- $I=0.8I_{max}$
- $I=0.6I_{max}$
- $I=0.4I_{max}$
- $I=0.2I_{max}$



- $I=I_{max}$
- $I=0.8I_{max}$
- $I=0.6I_{max}$
- $I=0.4I_{max}$
- $I=0.2I_{max}$