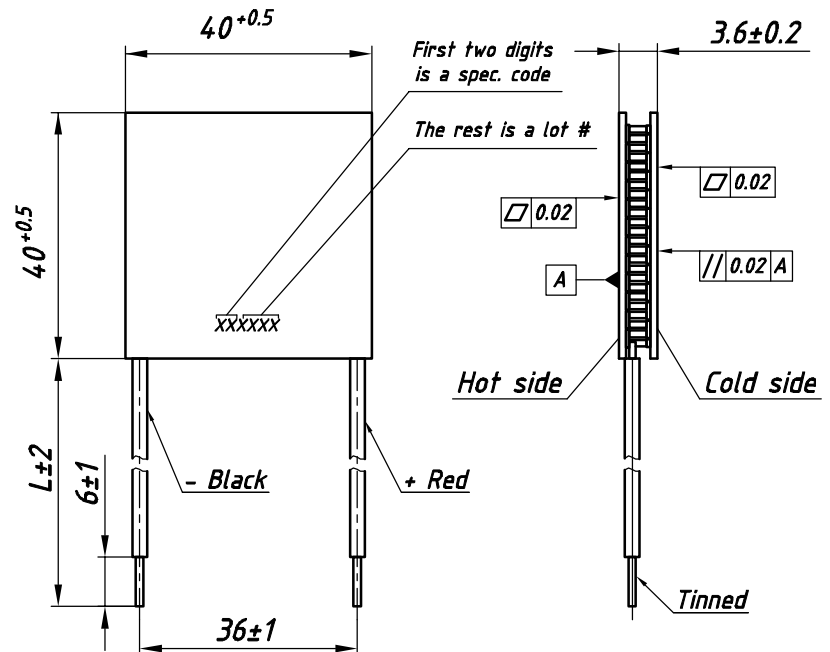


**TECHNICAL DATA**

$U_{max}$	27.8 V	$T_{hot}=25^{\circ}C$ Vacuum
$Q_{max}$	70.2 W	
$\Delta T_{max}$	72°	
$I_{max}$	4.3 A	
ACR at 25°C	5.76 Ohm	
Pad type	Hot side	Ceramics $Al_2O_3$ , white 96%
	Cold side	
Max. processing temperature	Depends on chosen solder type	
Standard tolerances for thermal and electrical parameters $\pm 10\%$		

**MODULE DRAWING**  
*standard design*



**STANDARD ORDERING OPTIONS**

Nº	Option	Parameter
1	Lead wires	AWG Nº
		20      22      24
		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
4	Anticorrosional coating	yes      no
		Type / Max. processing temp.
5	Sealing	Without sealing / 200° C
		Epoxy / 130° C
		Silicone / 180° C

**AVAILABLE MODIFICATIONS**

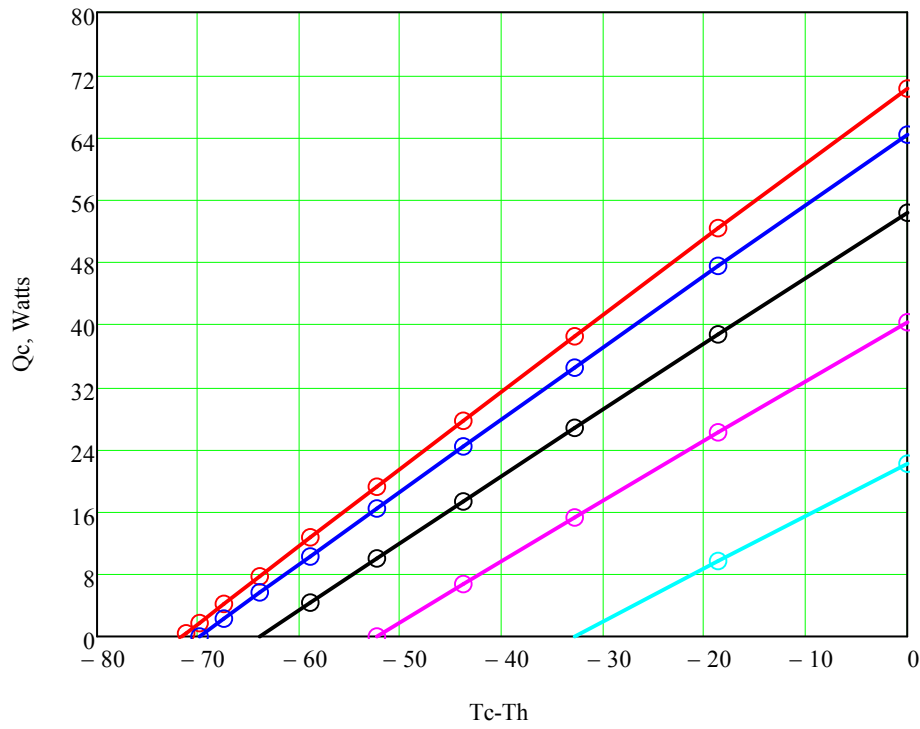
Design	Description
TMC-241-1.0-3.9 M	High reliable version on cold side

**OPTIONS UPON REQUEST**

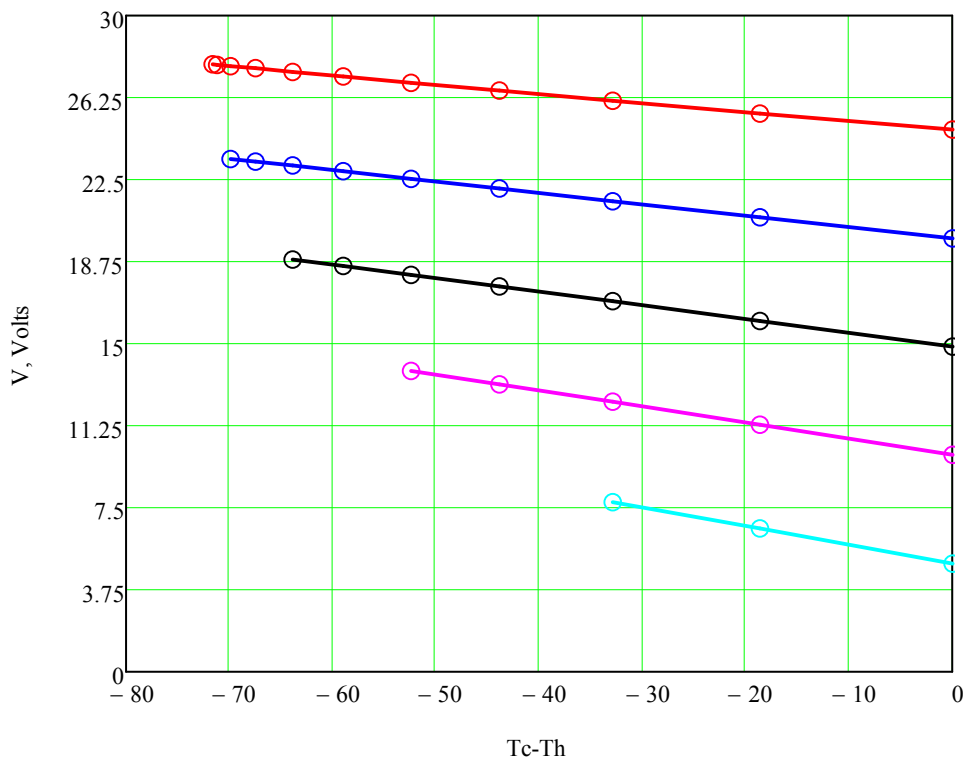
Height tolerance	$\pm 0.02$
Unflatness and nonparallelism	$\pm 0.02$
Porch-style design	

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

Performance graphs for TM-241-1.0-3.9 module at  $T_h=25\text{ }^\circ\text{C}$   
 Environment: vacuum



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



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