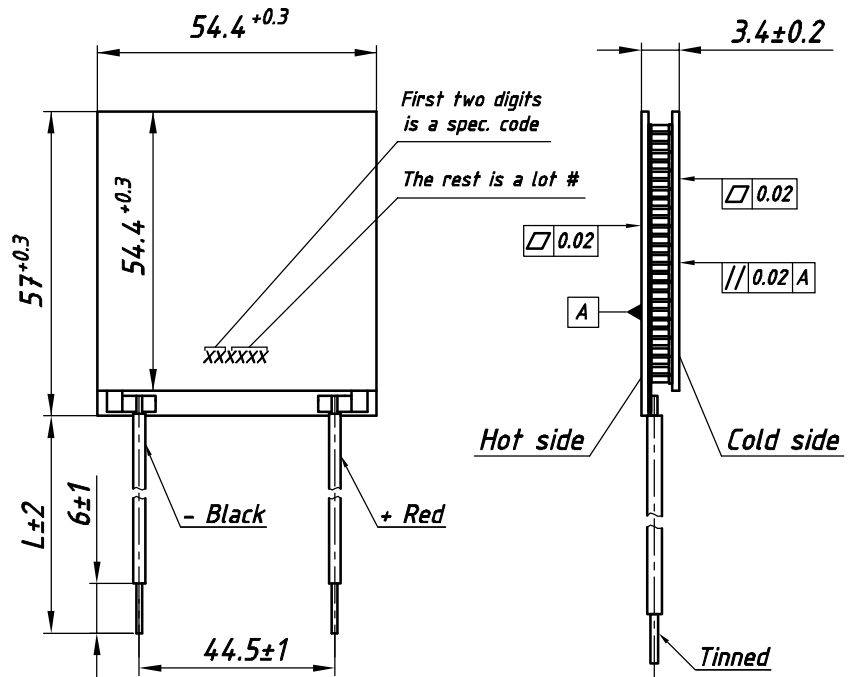


**TECHNICAL DATA**

$U_{max}$	27.7 V	$T_{hot}=25^{\circ}C$ Vacuum
$Q_{max}$	142.3 W	
$\Delta T_{max}$	72°	
$I_{max}$	8.7 A	
ACR at 25°C	2.84 Ohm	
Pad type	Hot side Cold side	Ceramics Al <sub>2</sub> O <sub>3</sub> , 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
4	Anticorrosional coating	yes      no
5	Sealing	Type / Max. processing temp.
		Without sealing / 200° C
		Epoxy / 130° C
		Silicone / 180° C

**AVAILABLE MODIFICATIONS**

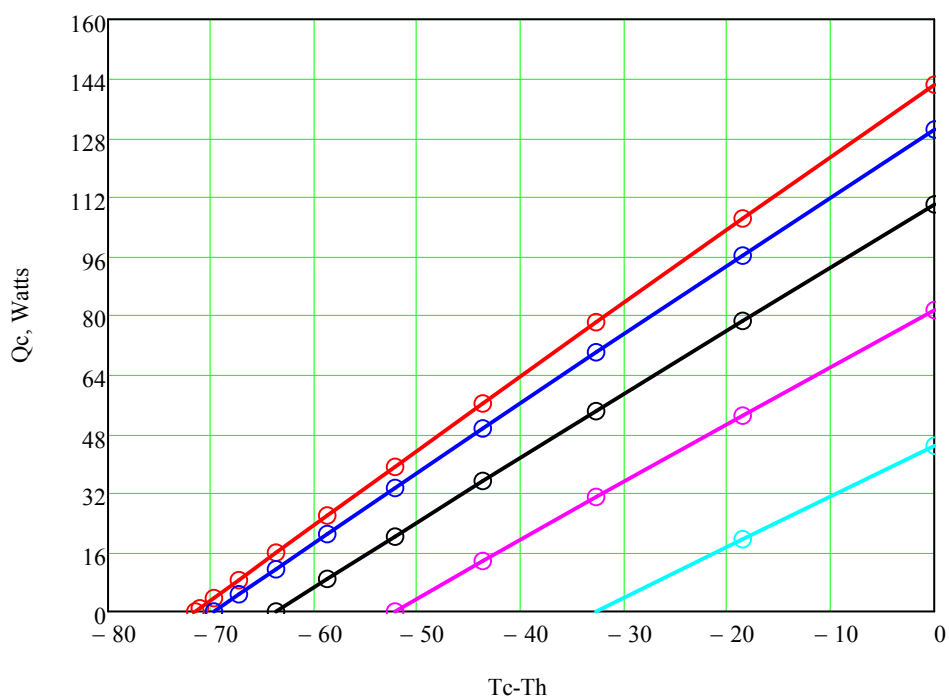
Design	Description
TM-127-1.4-8.5 MM	Porch-style design with high reliable version on both sides

**OPTIONS UPON REQUEST**

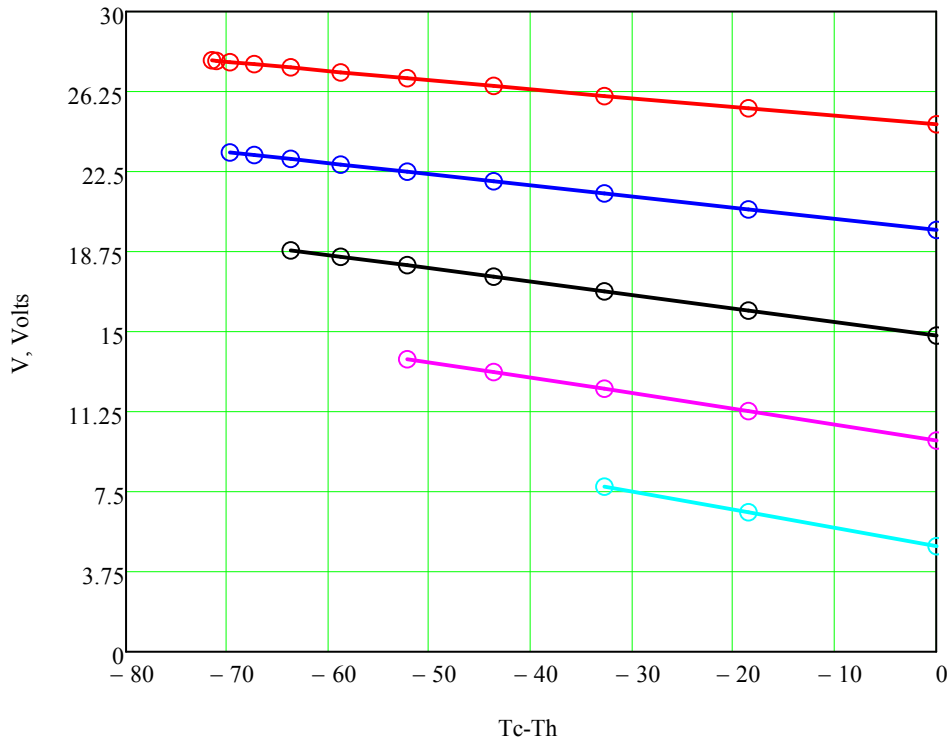
Height tolerance	± 0.02
Unflatness and nonparallelism	± 0.02

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

# Performance graphs for TM-241-1.4-8.5 module at Th=25 °C Environment: vacuum



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



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