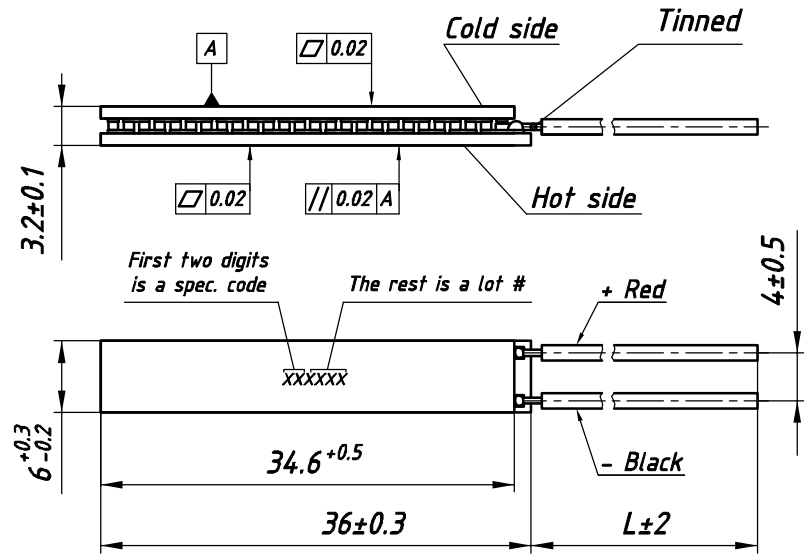


TECHNICAL DATA

U_{max}	5.8 V	$T_{hot}=25^{\circ}C$ Vacuum
Q_{max}	19.3 W	
ΔT_{max}	72°	
I_{max}	5.5 A	
ACR at 25°C	0.93 Ohm	
Pad type	Hot side	Ceramics Al ₂ O ₃ , white 96%
	Cold side	
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 length	Type / Max. processing temp.		
		Without insulation / See solder type m.p.t		
		PVC-1 / 85° C		
		PVC-2 / 105° C		
		Silicone / 180° C		
3	Lead wires insulation	PTFE / 200° C		
		Type / Max. processing temp.		
		Type-1 / 138° C		
		Type-2 / 183° C *		
4	Internal solder	Type-3 / 227° C		
		Type-4 / 232° C		
		Anticorrosional coating	yes	no
5	Sealing	Type / Max. processing temp.		
		Without sealing / 200° C		
		Epoxy / 130° C		
		Silicone / 180° C		

AVAILABLE MODIFICATIONS

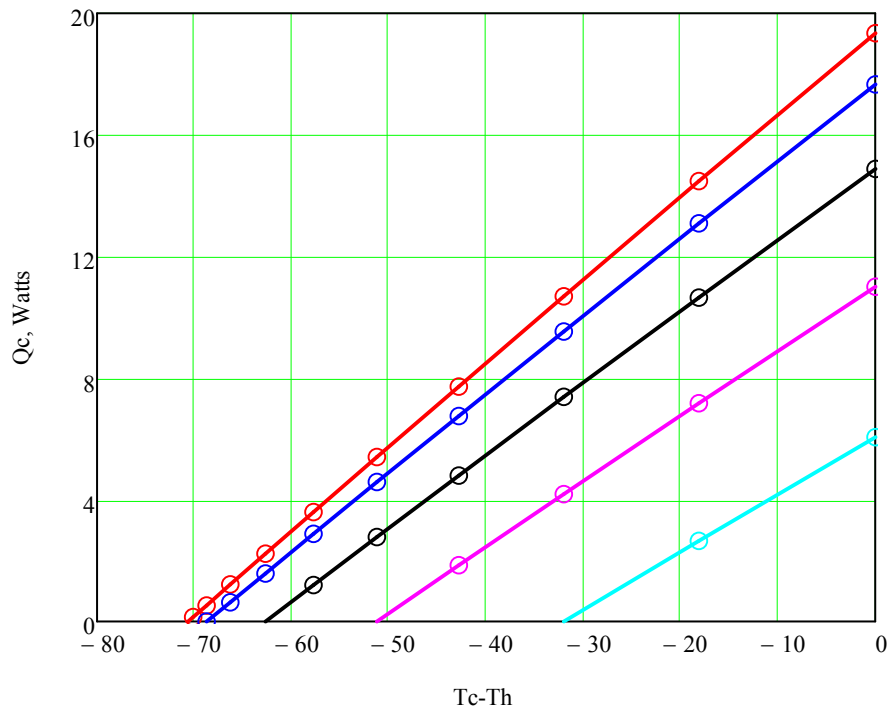
Design	Description
TMC-51-0.9-5.5 M	Porch-style high reliable version on cold side for thermal cycling applications

OPTIONS UPON REQUEST

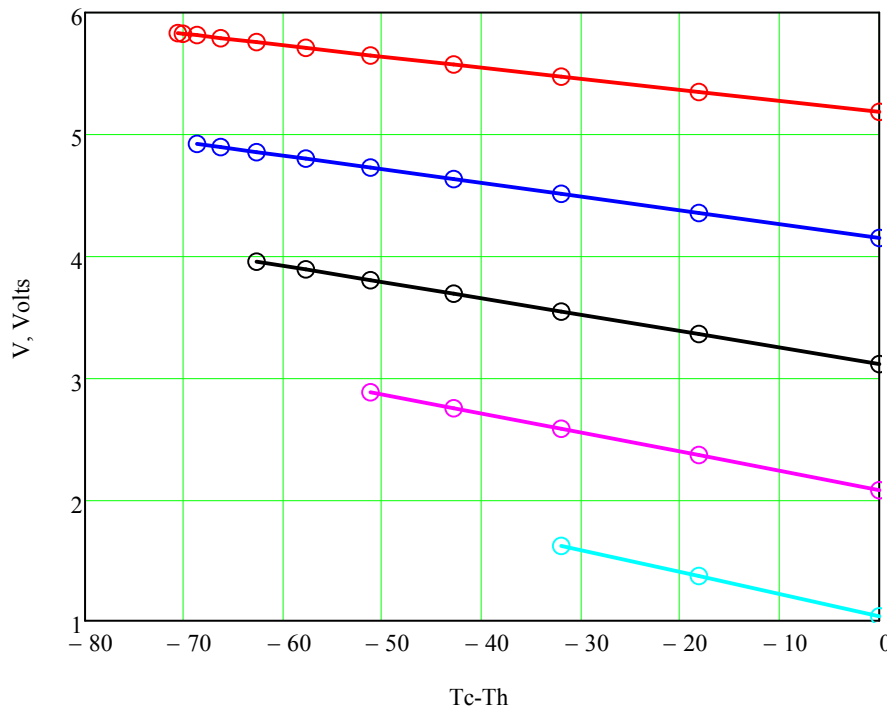
Height tolerance	± 0.02
Unflatness and nonparallelism	± 0.02
Porch-style design	

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

Performance graphs for TM-51-0.9-5.5 module at $T_h=25\text{ }^\circ\text{C}$
 Environment: vacuum



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



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