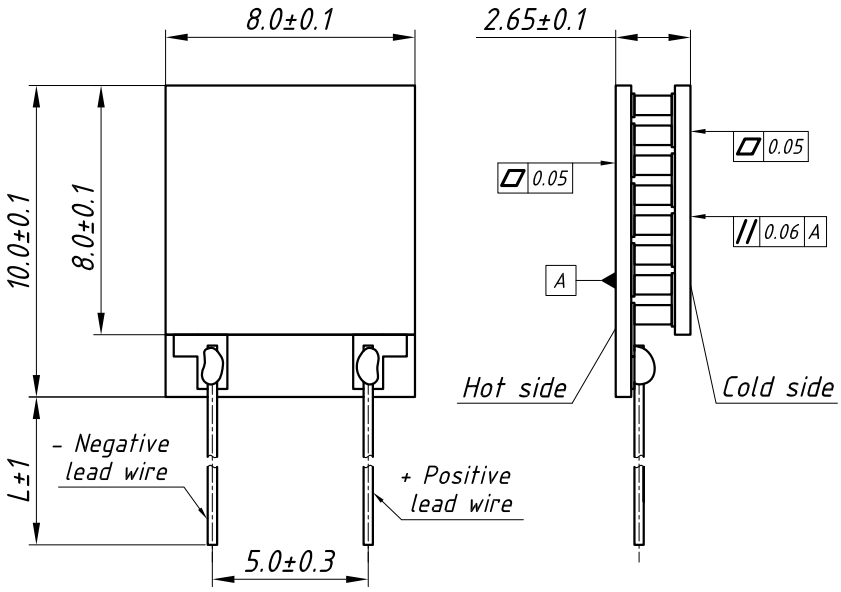
NORD

Thermoelectric micromodule
TM-32-0.6-1.2

FerroTec



TECHNICAL DATA

U_{max}	3.63 V	T_{hot}=25°C Vacuum
Q_{max}	2.7 W	
ΔT_{max}	72°	
I_{max}	1.2 A	
ACR at 25°C	2.72 Ohm	
Lead wires type	Cu wire Sn plated Ø0.3 mm	
Solder	Lead Free, m.p.t.≥227 °C	
Hot side	Ceramics Al_2O_3, white 96%	
Cold side		
Maximum processing temperature 180 °C		
Tolerances for thermal and electrical parameters ±10%		
This product is compliant to RoHS (2002/95/EC)		

AVAILABLE MODIFICATIONS

Design	Description
TM-32-0.6-1.2	Porch-style design without metallization

MODIFICATIONS UPON REQUEST

Design	Description
TM-32-0.6-1.2 T	Porch-style design with metallization on the hot side
TM-32-0.6-1.2 TT	Porch-style design with metallization on both sides

STANDARD ORDERING OPTIONS

№	Option	Parameter
1	Lead wires length	L≥30 mm
2	Lead wires insulation	Maximum processing temperature
	Without insulation	200 °C
	Silicone (<24 AWG)	180 °C
	PTFE (<24AWG)	200 °C
3	Sealing	Maximum processing temperature
	No sealing	200 °C
	Epoxy	130 °C
	Silicone	180 °C

OPTIONS UPON REQUEST

Height tolerance	± 0.05 *
Unflatness and nonparallelism	± 0.02 *
Anticorrosion coating	

* These options are availiable only for module design without metallization on external sides.

For another options consult of our tecnical support engineers

Notes

1. When applying plus voltage to positive lead wire the module cold side becomes heat absorbing surface.
2. Module AC resistance at 25°C does not include resistanse of lead wires.

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Performance graphs for TM-32-0.6-1.2 modules at Th=25 ºC
Environment: vacuum