

SPECIFICATION OF GENERATING THERMOELECTRIC MODULE MARS-40



<i>Operation parameters</i>	<i>Unit</i>	<i>Value</i>
Working temperature	°C	500
Assembly pressure (per 1 TGM S=1,1*10⁴ mm²)	N	100 000
Weight (with wires)	kg	0,86

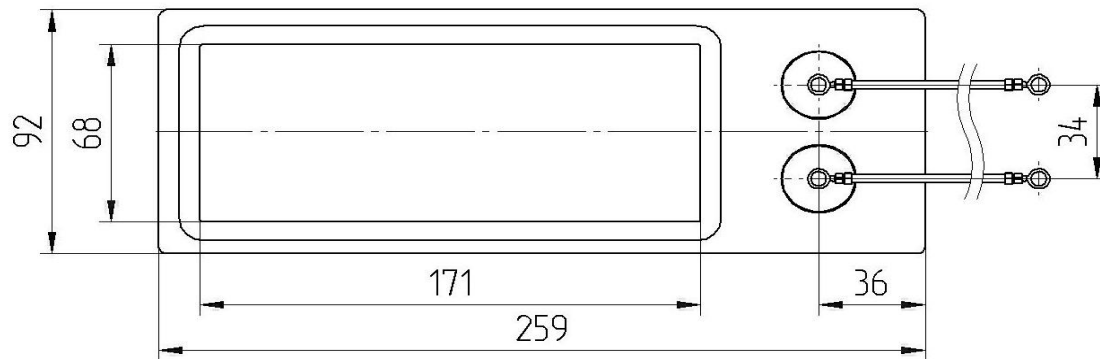
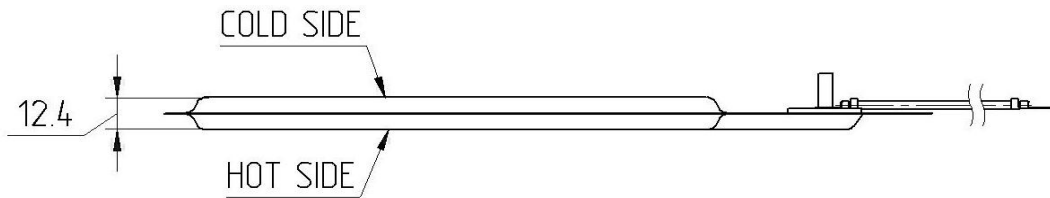
<i>Thermoelectric parameters</i>	<i>Unit</i>	<i>Value</i>
Voltage $U_L (R_L=R_i)^*$	Volts	5,2
Current $I_L (R_L=R_i)^*$	Amps	7,6
Generation power, P*	Watts	40
Tolerance	%	±10

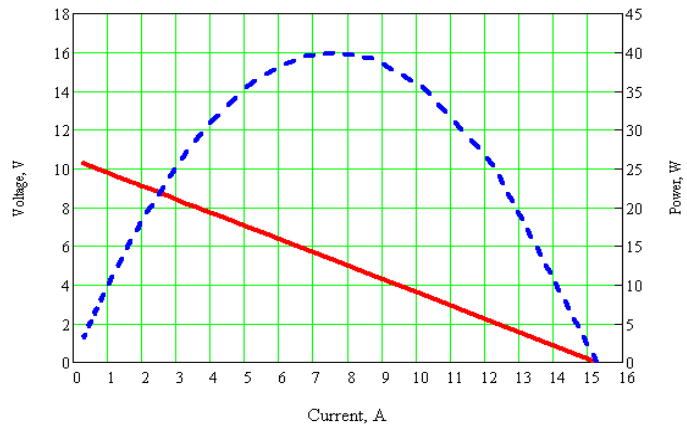
*Th=500°C – temperature of the hot side;

*Tc=115°C ; – cold side temperature;

*Ri - module's internal resistance;

*RL– load's electrical resistance.





— Voltage vs. Current
 - - - Power vs. Current

