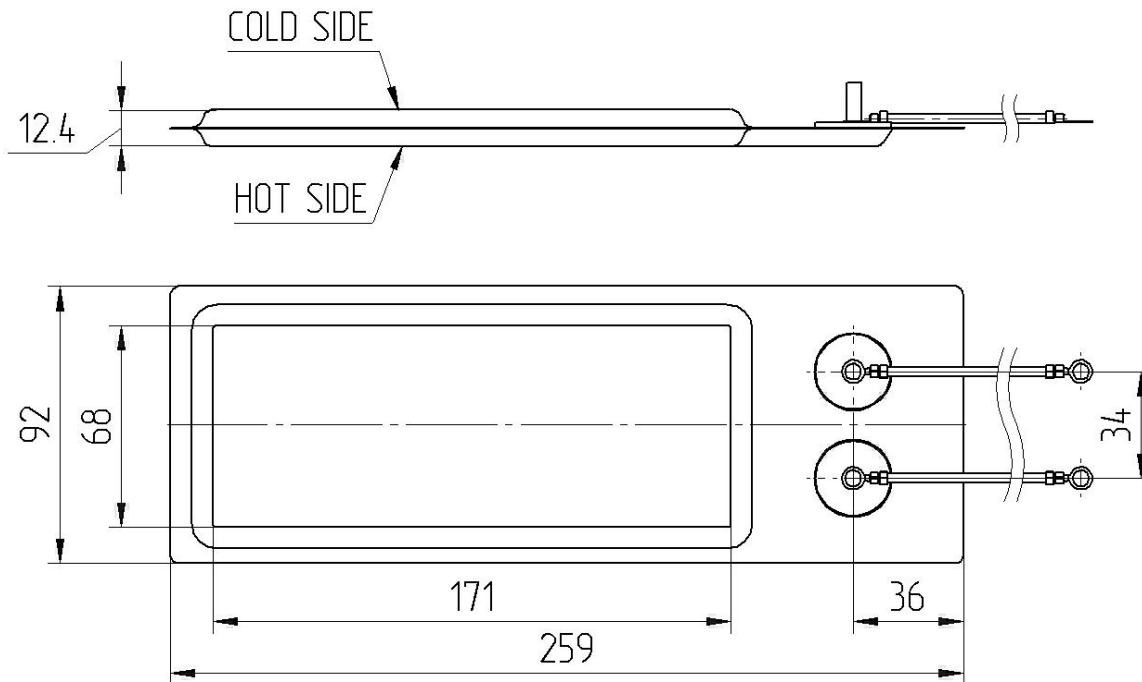
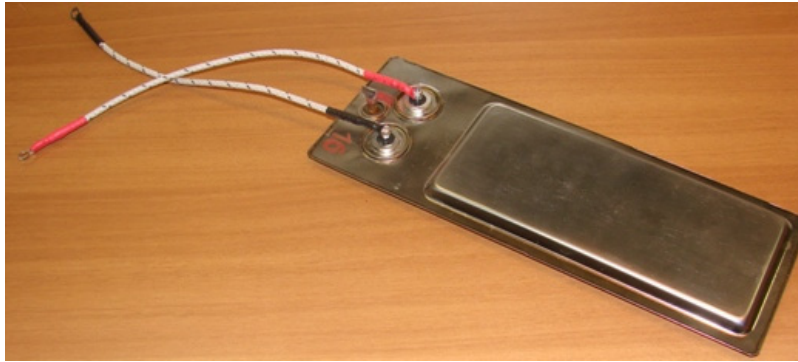


SPECIFICATION OF GENERATING THERMOELECTRIC MODULE MARS-40



<i>Operation parameters</i>	<i>Unit</i>	<i>Value</i>
Max. working temperature	°C	530
Assembly pressure (per 1 TGM)	$\frac{kg}{(68 \cdot 171 mm^2)}$	10 000
Weight (with wires)	kg	0.86

<i>Thermoelectric parameters</i>	<i>Unit</i>	<i>Value</i>
Voltage $U_L (R_L=R_i)^*$	Volts	5.5
Current $I_L (R_L=R_i)^*$	Amps	7.5
Generation power, P^*	Watts	40
Tolerance	%	±10

* $T_h=530^{\circ}C$ – temperature of the hot side;

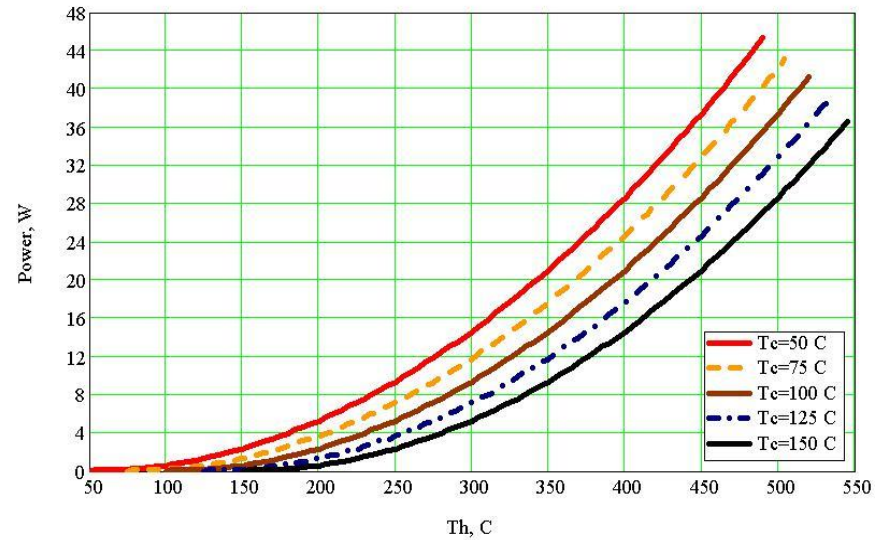
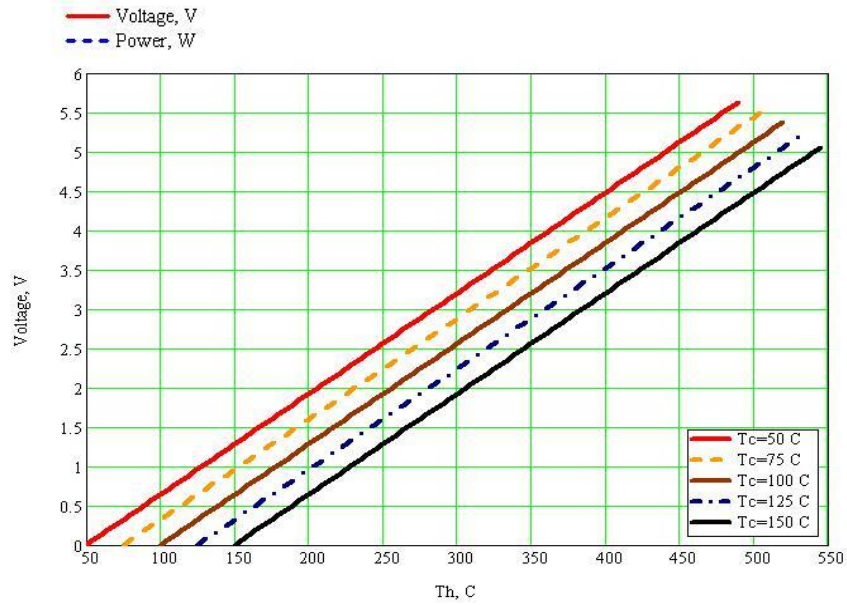
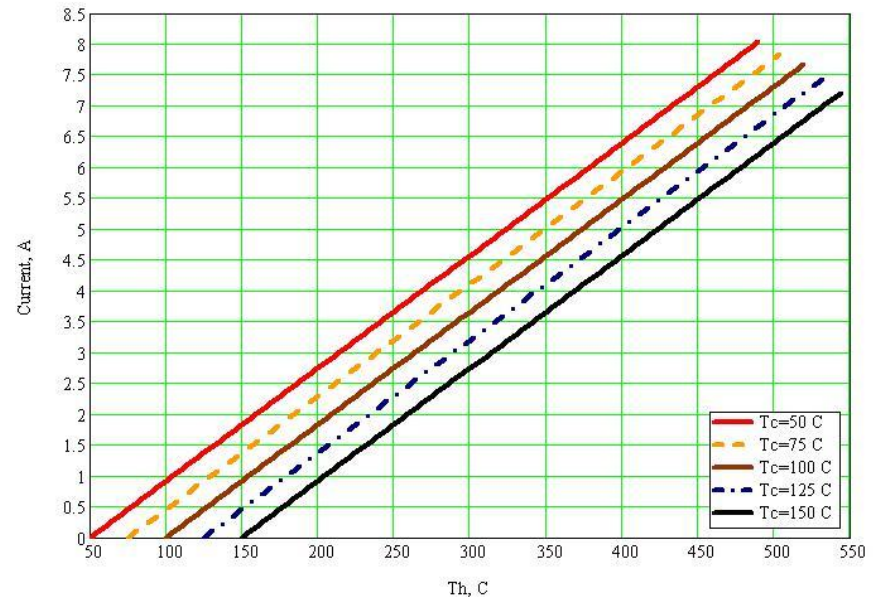
* $T_c=130^{\circ}C$; – cold side temperature;

* R_i - module's internal resistance;

* R_L – load's electrical resistance.

八坂テクノ株式会社

〒343-0831 埼玉県越谷市伊原1-3-44-114
Tel:048-971-6751、Fax:048-971-7251
<http://www.yasaka-tec.co.jp>



Kryotherm

Customer

八坂テクノス株式会社

〒343-0831 埼玉県越谷市伊原1-3-44-114
Tel: 048-971-6751、Fax: 048-971-7251
<http://www.yasaka-tec.co.jp>