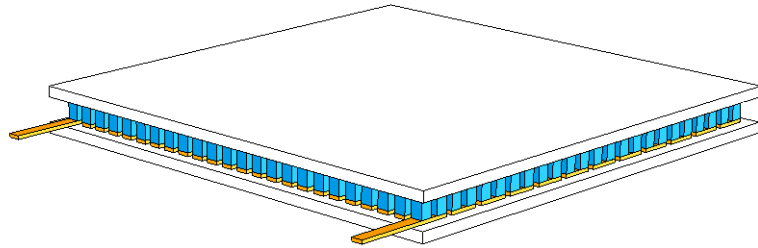


**SPECIFICATION OF GENERATING THERMOELECTRIC MODULES TGM-287-1.0-1.3**


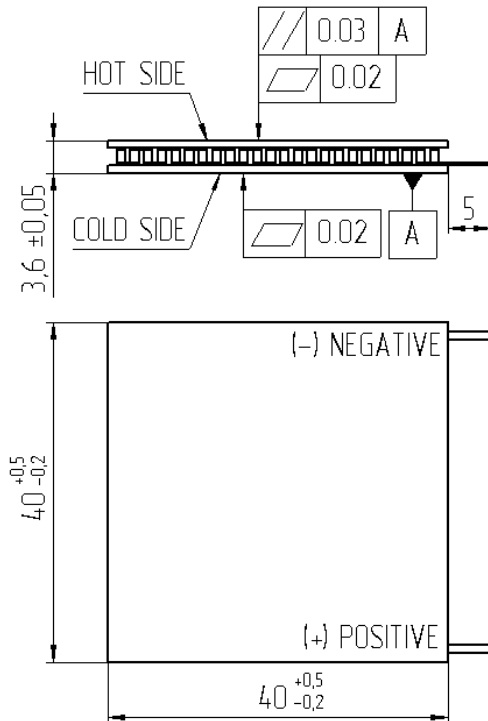
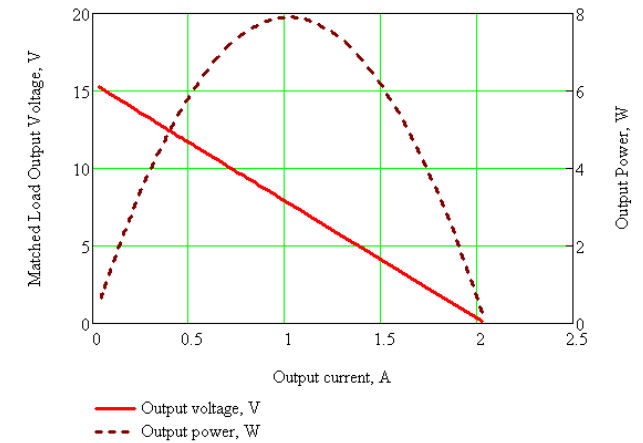
Thermoelectric parameters	Unit	Value
<b>Output power, P*</b> (at $T_h=200^{\circ}\text{C}$ , $T_c=30^{\circ}\text{C}$ )	<b>W</b>	<b>7,9</b>
<b><math>I_{load}^*</math></b>	<b>A</b>	<b>1,08</b>
<b><math>U_{load}^*</math></b>	<b>V</b>	<b>7,3</b>
<b><math>R_{ac}</math> (at <math>200^{\circ}\text{C}</math>), <math>\pm 10\%</math></b>	<b>Ohm</b>	<b>6,7</b>
<b><math>R_t</math></b>	<b>K/W</b>	<b>1,21</b>

\* for  $R_{load}=R_{ac}$

$R_{ac}$  – internal TGM resistance at working temperature;

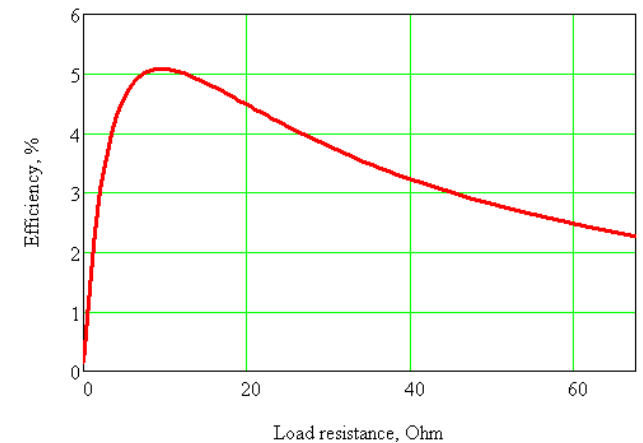
$R_{load}$  – load resistance;

$R_t$  – heat resistance.



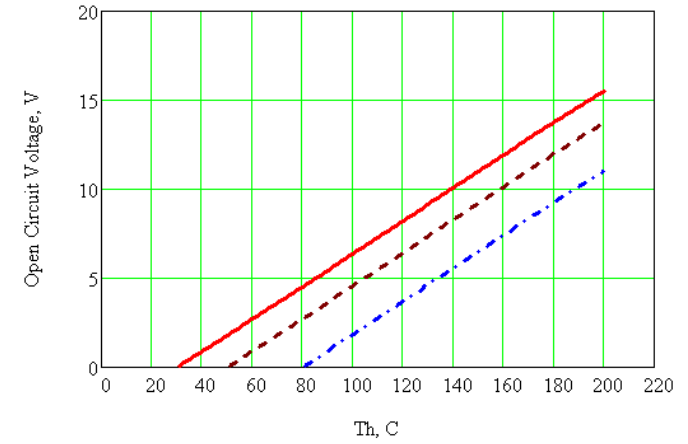
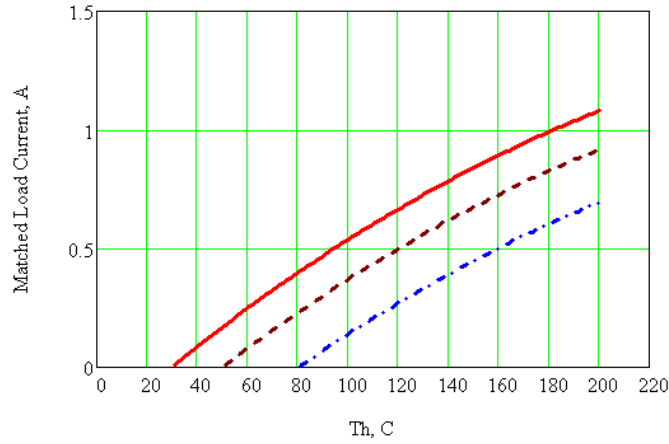
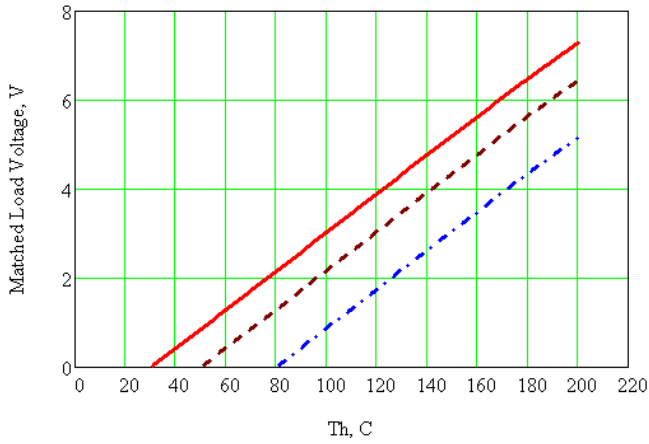
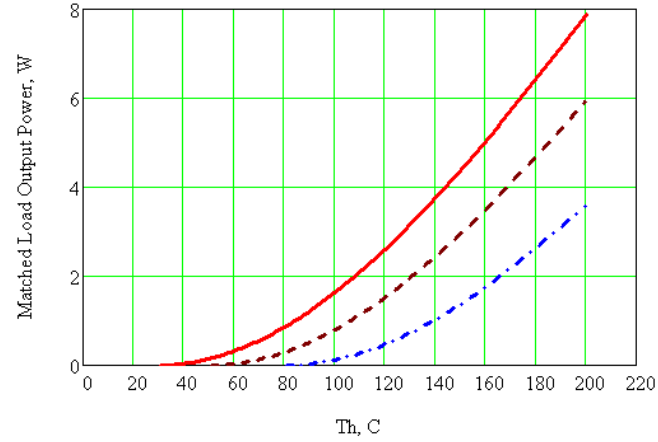
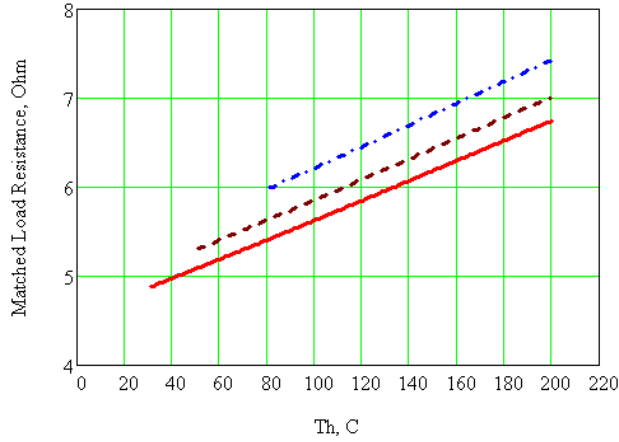
Operation parameters	Unit	Value
<b>Working temperature</b>	<b><math>^{\circ}\text{C}</math></b>	<b>200</b>
<b>Max. processing temperature</b>	<b><math>^{\circ}\text{C}</math></b>	<b>220</b>

Additional options	Notations
<b>Height tolerance up to, mm</b>	<b><math>\pm 0,015</math></b>
<b>Flatness up to, mm;</b>	<b>0,01</b>
<b>Parallelism up to, mm;</b>	<b>0,01</b>
<b>Sealants: epoxy, urethane</b>	<b>E, U</b>
<b>Type and length of lead wires</b>	<b>Up to customer's requirements</b>
<b>Assembling into arrays</b>	<b>Up to customer's requirements</b>



Please refer to our standard assembling recommendations at our [site](#)

**SPECIFICATION OF GENERATING THERMOELECTRIC MODULES TGM-287-1.0-1.3**



- Tc=30°C
- - - Tc=50°C
- · - · Tc=80°C