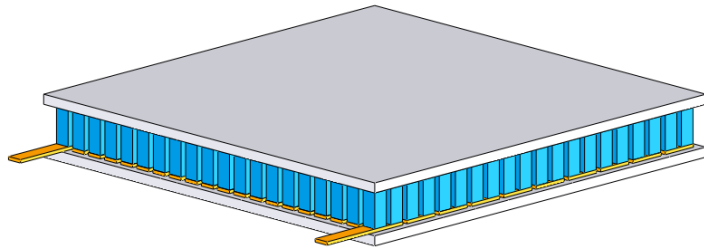
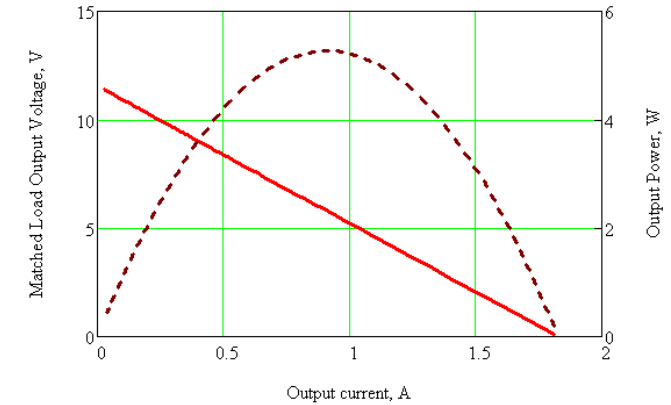


**SPECIFICATION OF GENERATING THERMOELECTRIC MODULES TGM-199-1.4-3.2**

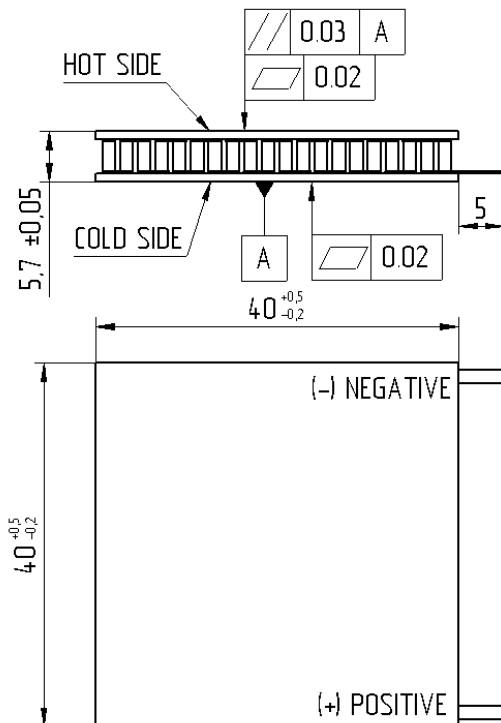
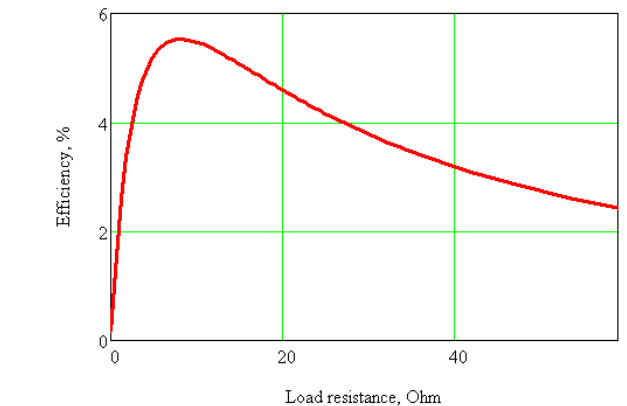


Thermoelectric parameters	Unit	Value
<b>Output power, P*</b> (at $T_h=200^\circ\text{C}$ , $T_c=30^\circ\text{C}$ )	<b>W</b>	<b>5,3</b>
<b>I<sub>load</sub>*</b>	<b>A</b>	<b>0,94</b>
<b>U<sub>load</sub>*</b>	<b>V</b>	<b>5,6</b>
<b>R<sub>ac</sub></b> (at $200^\circ\text{C}$ ), $\pm 10\%$	<b>Ohm</b>	<b>5,9</b>
<b>R<sub>t</sub></b>	<b>K/W</b>	<b>2,20</b>

\* for  $R_{load}=R_{ac}$   
 $R_{ac}$  – internal TGM resistance at working temperature;  
 $R_{load}$  – load resistance;  
 $R_t$  – heat resistance.



— Output voltage, V  
 - - - Output power, W

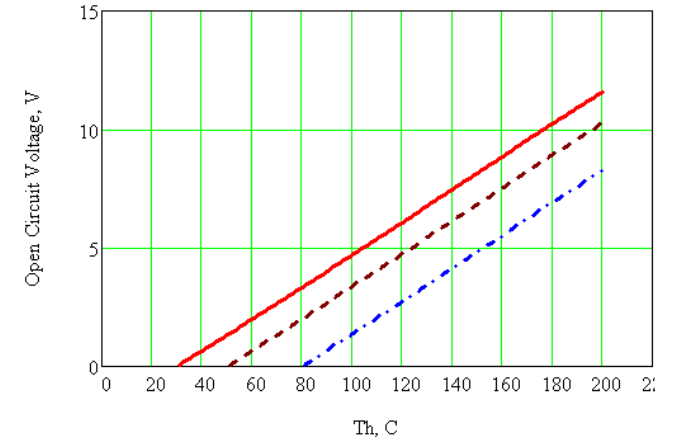
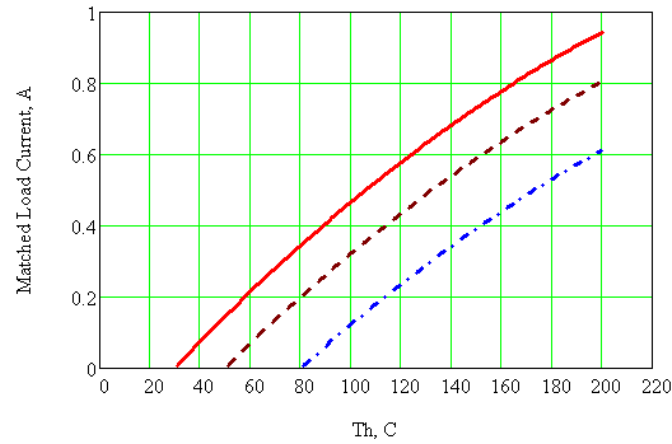
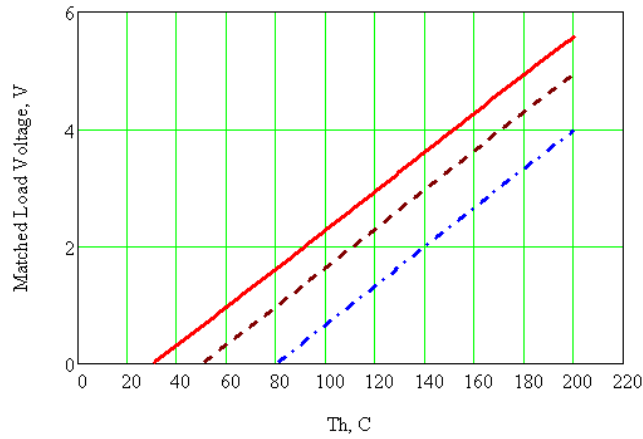
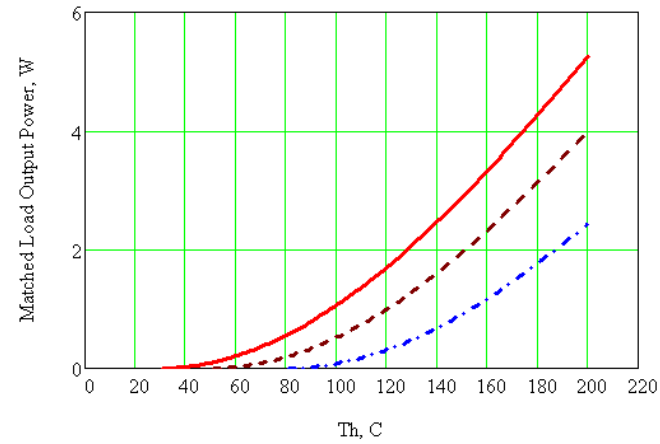
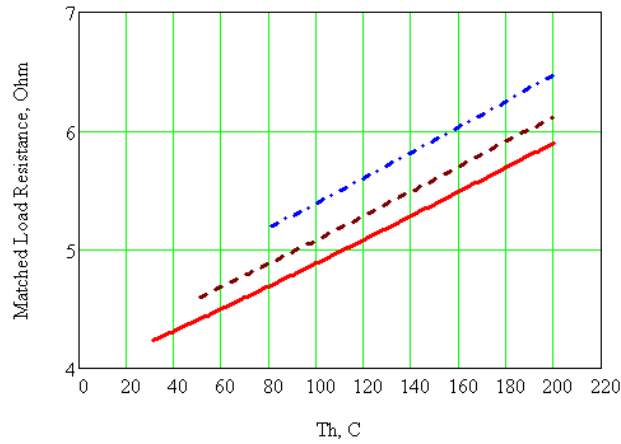


Operation parameters	Unit	Value
<b>Working temperature</b>	<b>°C</b>	<b>200</b>
<b>Max. processing temperature</b>	<b>°C</b>	<b>220</b>

Additional options	Notations
<b>Height tolerance up to, mm</b>	<b>± 0,015</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-199-1.4-3.2**



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