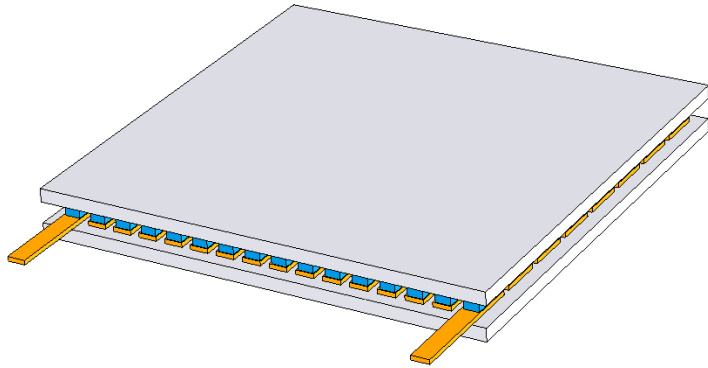


SPECIFICATION OF GENERATING THERMOELECTRIC MODULES TGM-127-1.0-1.3


<i>Thermoelectric parameters</i>	<i>Unit</i>	<i>Value</i>
Output power, P* (at $T_h=200^\circ\text{C}$, $T_c=30^\circ\text{C}$)	W	3,8
I_{load}^*	A	1,12
U_{load}^*	V	3,4
R_{ac} (at 200°C), $\pm 10\%$	Ohm	3,0
R_t	K/W	2,7

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

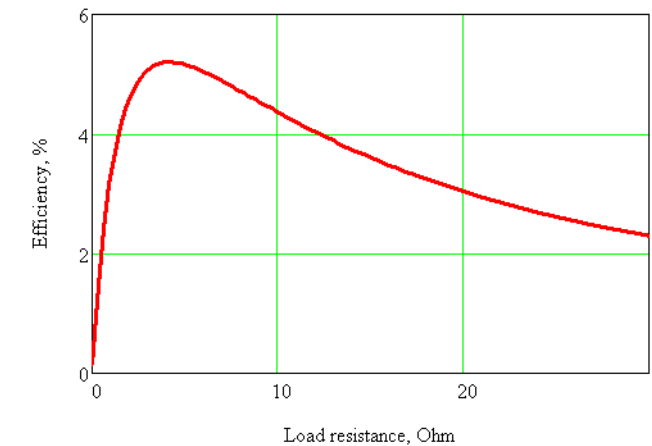
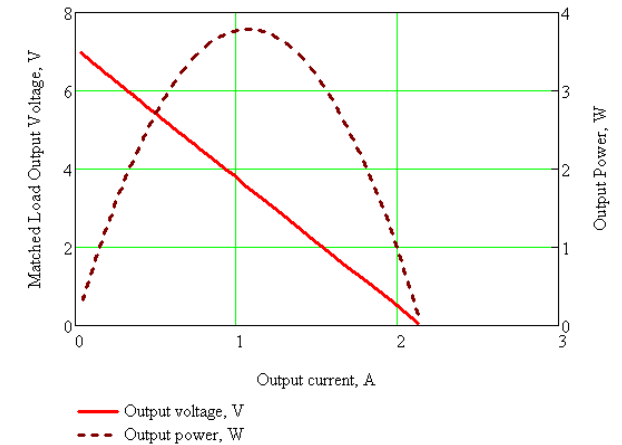
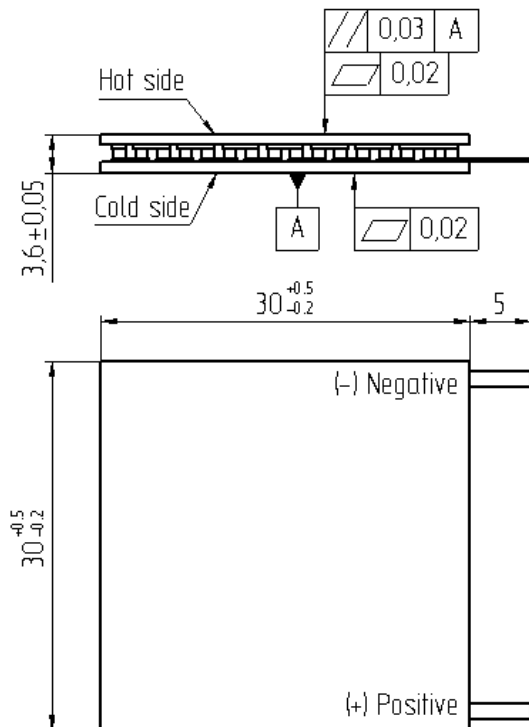
R_{ac} – internal TGM resistance at working temperature;

R_{load} – load resistance;

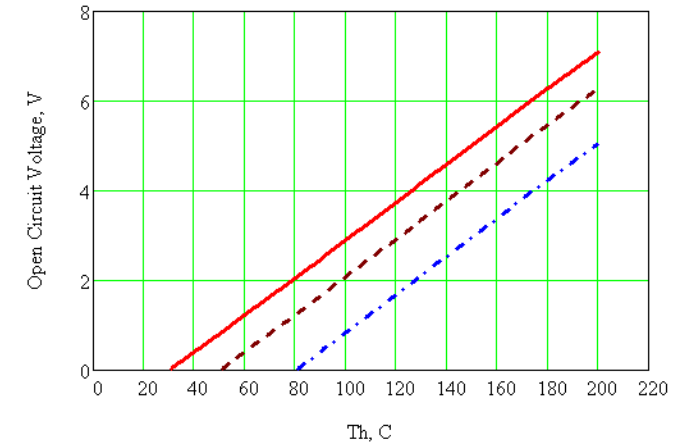
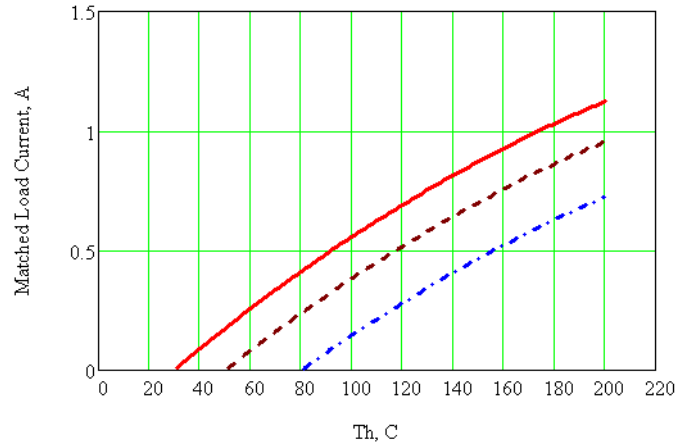
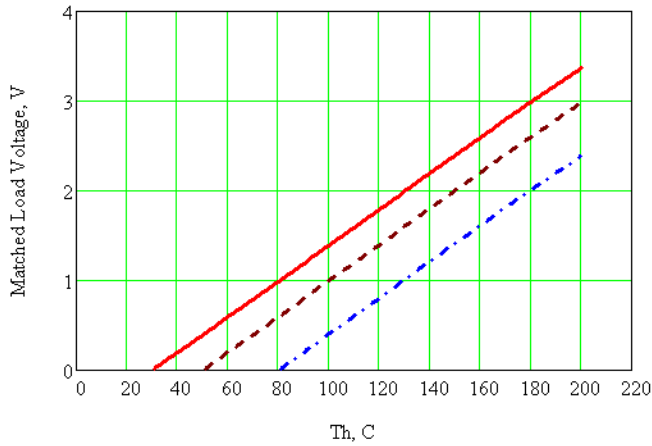
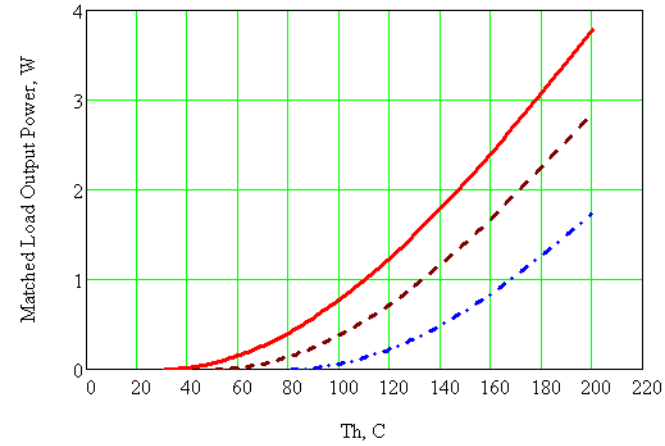
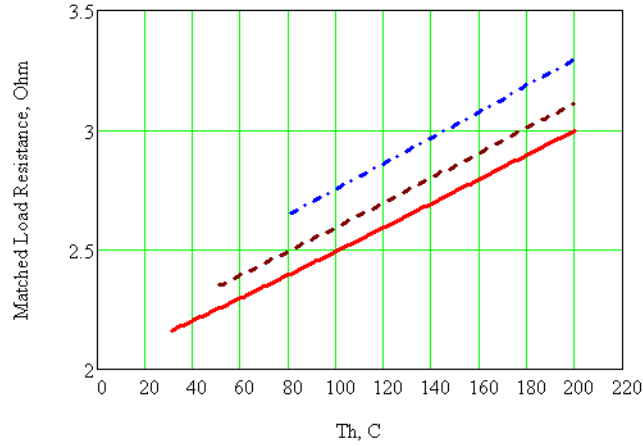
R_t – heat resistance.

<i>Operation parameters</i>	<i>Unit</i>	<i>Value</i>
Working temperature	$^\circ\text{C}$	200
Max. processing temperature	$^\circ\text{C}$	220
Assembly pressure	kg/cm^2	12-15

<i>Additional options</i>	<i>Notations</i>
Height tolerance up to, mm	$\pm 0,015$
Flatness up to, mm;	0,01
Parallelism up to, mm;	0,01
Sealants: epoxy, urethane	-
Type and length of lead wires	-
Assembling into arrays	-



SPECIFICATION OF GENERATING THERMOELECTRIC MODULES TGM-127-1.0-1.3



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