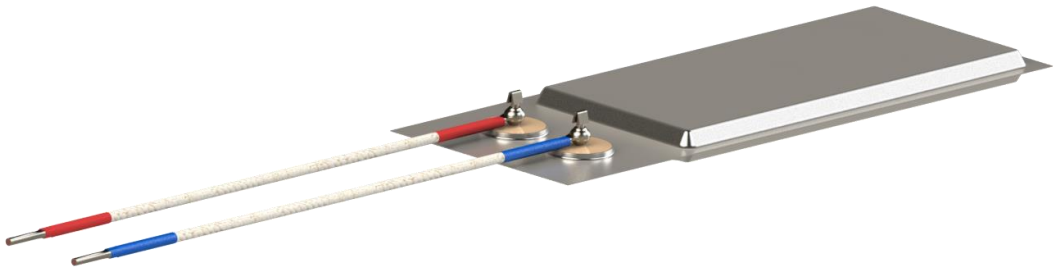
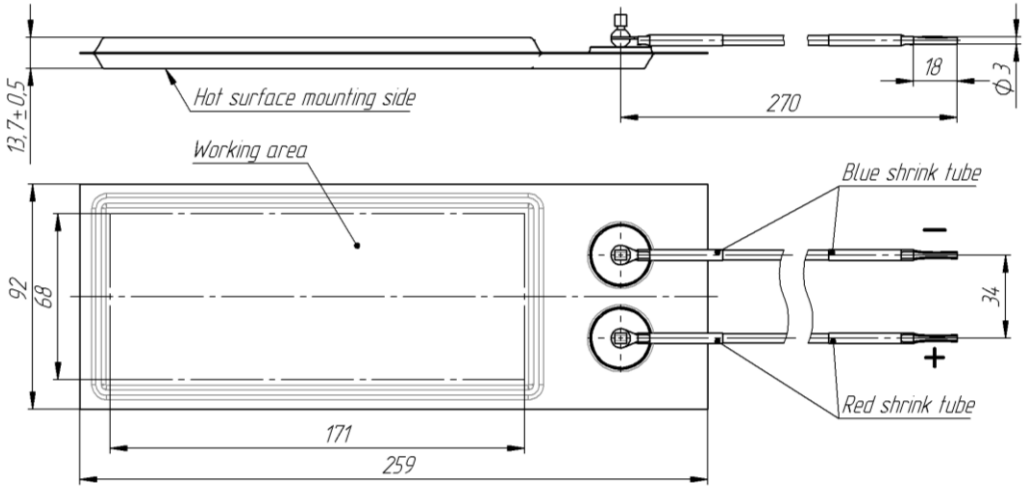
197348 Russia, Saint Petersburg, Road to Kamenka, 64 building 1,
Tel: +7 (812) 500-89-97, E-mail: info@ecogentech.ru, https://ecogenthermoelectric.com

SPECIFICATION OF THERMOELECTRIC GENERATING MODULE MARS-35





Thermoelectric parameters	Unit	Value
P_{out}	W	35
$I_{load}(R_L=R_I)$	A	7.1
$U_{load}(R_L=R_I)$	V	4.9
Tolerance	%	±10
Max. efficiency	%	8
All parameters are given at T_h=500 °C, T_c=115°C		

Operational parameters	Unit	Value
Working temperature	°C	500
Assembly pressure (per $1.1 \cdot 10^4$ mm² for one module)	kN	30…40
Weight (with wires)	kg	0.86

T_h – hot surface mounting temperature
T_c – cold surface temperature (at any condition must not exceed 115°C)
R_L – electric load resistance
R_I – module internal resistance

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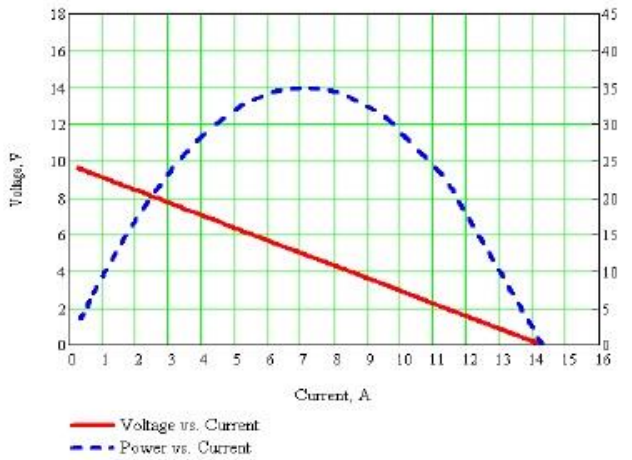
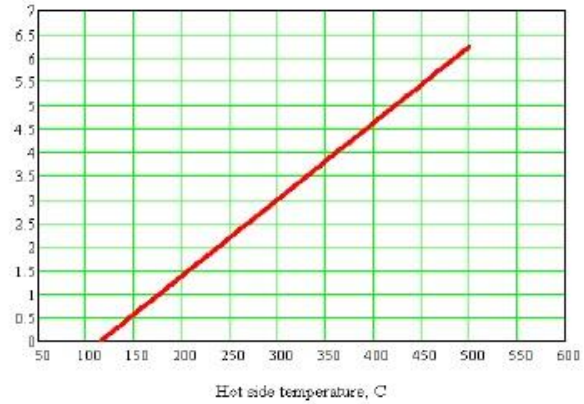
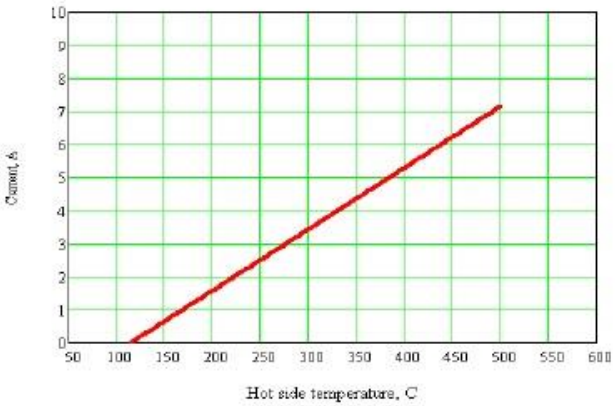
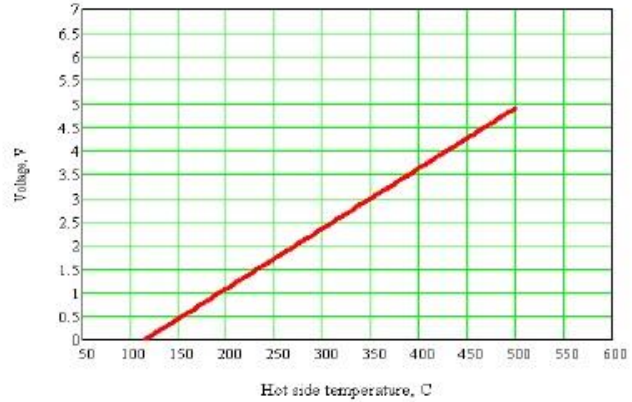
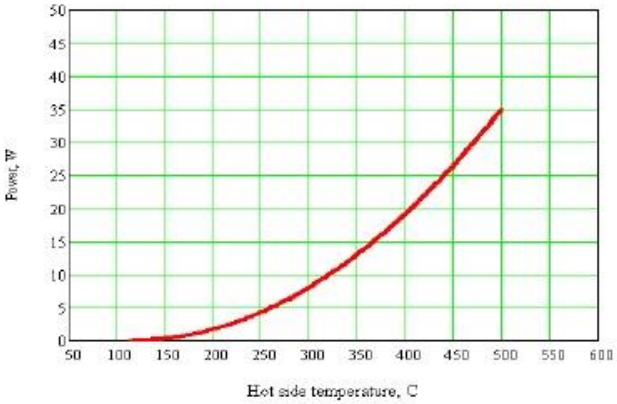
CUSTOMER


Voltage, V
Power, W
Efficiency, %
Current, A
Voltage vs. Current
Power vs. Current


Hot side temperature, C


Current, A
Hot side temperature, C


Voltage, V
Hot side temperature, C


Power, W
Hot side temperature, C