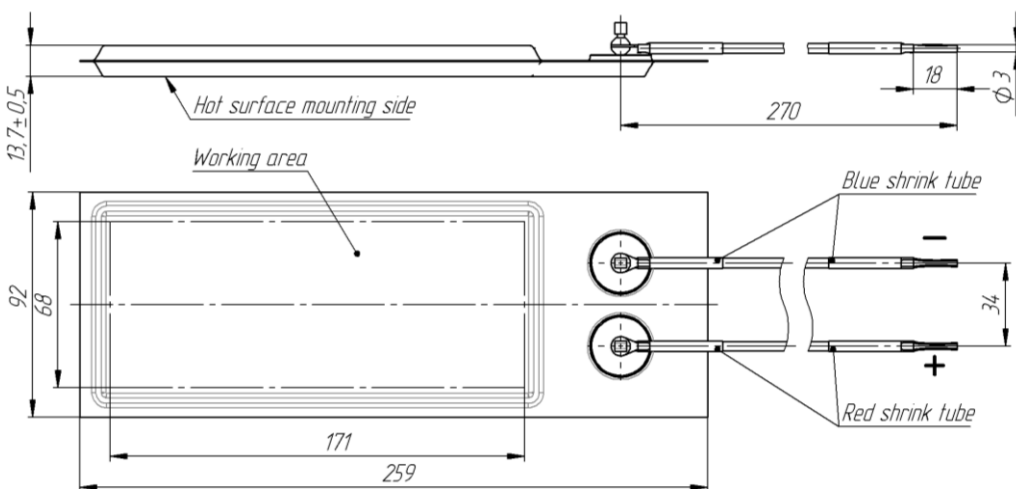
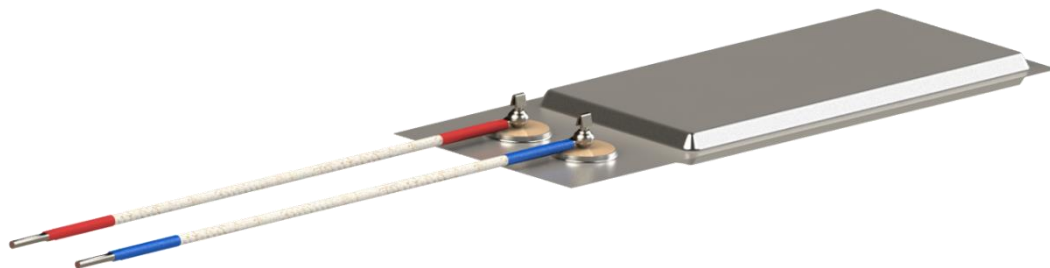


## SPECIFICATION OF THERMOELECTRIC GENERATING MODULE MARS-40



Thermoelectric parameters	Unit	Value
<b>P<sub>out</sub></b>	<b>W</b>	<b>40</b>
<b>I<sub>load</sub> (R<sub>L</sub> = R<sub>I</sub>)</b>	<b>A</b>	<b>7.6</b>
<b>U<sub>load</sub> (R<sub>L</sub> = R<sub>I</sub>)</b>	<b>V</b>	<b>5.2</b>
<b>Tolerance</b>	<b>%</b>	<b>±10</b>
<b>Max. efficiency</b>	<b>%</b>	<b>8</b>
<i>All parameters are given at T<sub>h</sub>=500 °C, T<sub>c</sub>=115°C</i>		

Operational parameters	Unit	Value
<b>Working temperature</b>	<b>°C</b>	<b>500</b>
<b>Assembly pressure</b> (per 1.1·10 <sup>4</sup> mm <sup>2</sup> for one module)	<b>kN</b>	<b>30...40</b>
<b>Weight (with wires)</b>	<b>kg</b>	<b>0.86</b>

T<sub>h</sub> – hot surface mounting temperature  
T<sub>c</sub> – cold surface temperature (at any condition must not exceed 115°C)  
R<sub>L</sub> – electric load resistance  
R<sub>I</sub> – module internal resistance

