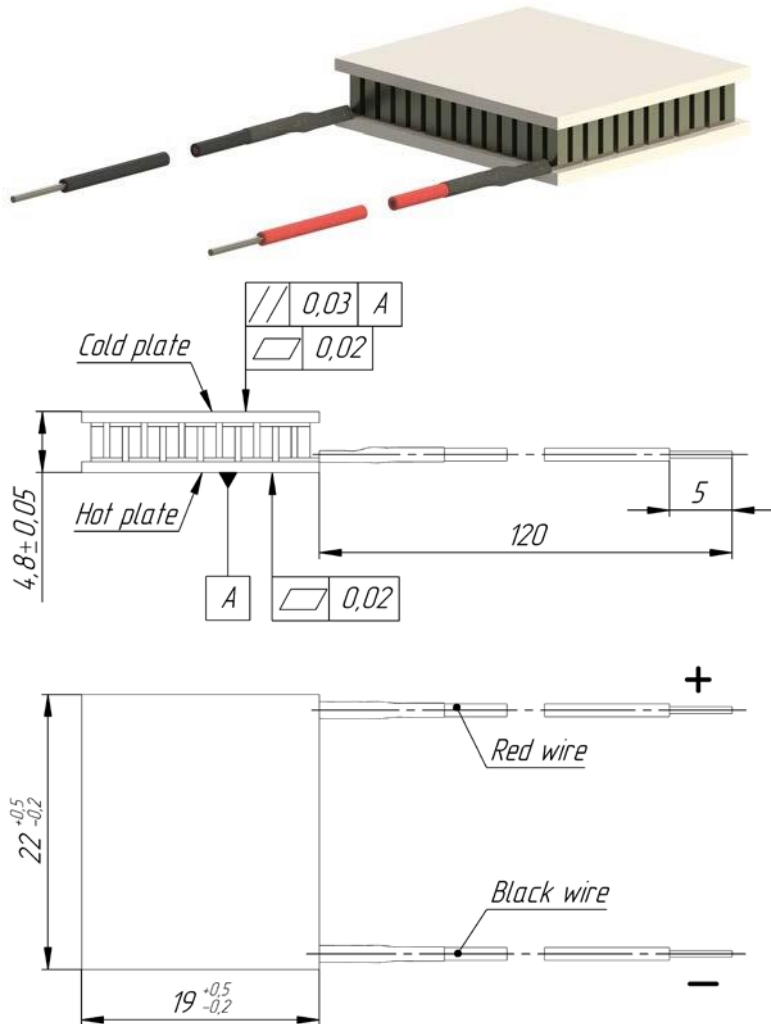


## SPECIFICATION OF THERMOELECTRIC MODULE TB-83-1.0-2.5



Thermoelectric parameters	Unit	Value
<b>I<sub>max</sub></b>	<b>A</b>	<b>1.9</b>
<b>U<sub>max</sub></b>	<b>V</b>	<b>10.4</b>
<b>ΔT<sub>max</sub> ≥</b>	<b>K</b>	<b>70</b>
<b>Q<sub>max</sub> ≥</b>	<b>W</b>	<b>12</b>
<b>R<sub>ac</sub> (at 295 K)</b>	<b>Ohm</b>	<b>4.15</b>
<b>Tolerance R<sub>ac</sub></b>	<b>%</b>	<b>±10</b>
<i>All parameters except R<sub>ac</sub> are given at Th=300 K</i>		

Assembly parameters	Unit	Value
<b>Wires</b>		<b>HB-0.2 4 600</b>
<b>Cross section</b>	<b>mm<sup>2</sup></b>	<b>0.2</b>
<b>Metallization</b>		<b>-</b>
<b>Sealing</b>		<b>-</b>
<b>Internal solder</b>	<b>°C</b>	<b>139</b>

Operational parameters	Unit	Value
<b>Working temperature range</b>	<b>°C</b>	<b>-50 ÷ +80</b>
<b>Max. processing temperature</b>	<b>°C</b>	<b>130</b>
<b>ROHS compliance</b>		<b>Yes</b>

