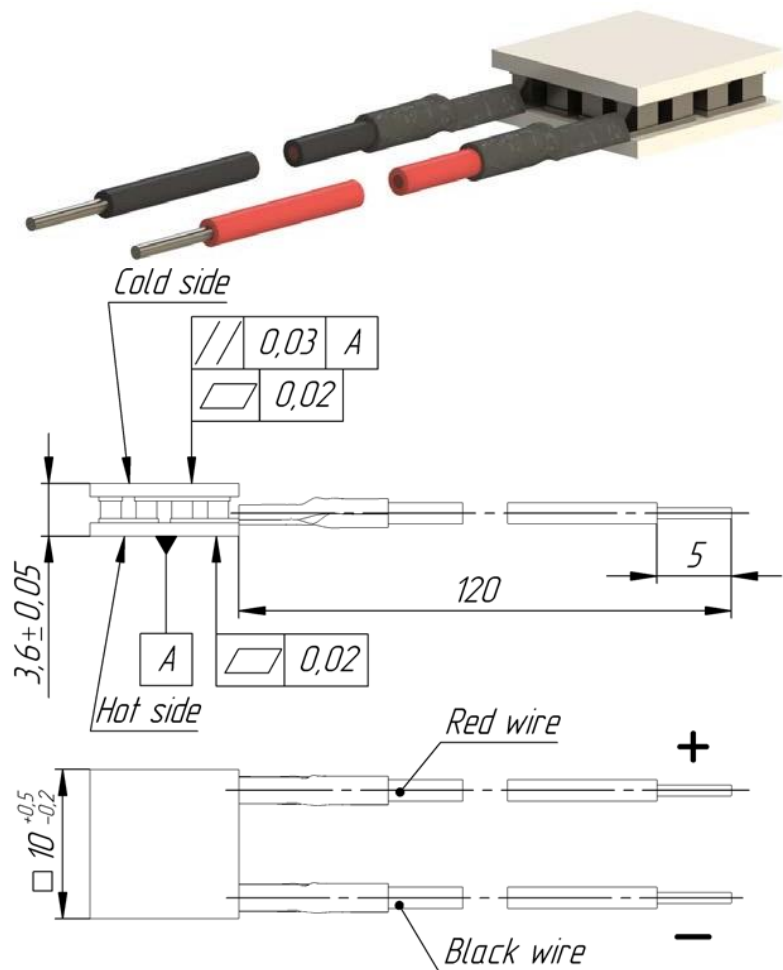


**SPECIFICATION OF THERMOELECTRIC MODULE TB-7-1.4-1.15**



| Thermoelectric parameters  | Unit                  | Value        |
|--|-----------------------|--------------|
| <b>I<sub>max</sub></b>   | <b>A</b>              | <b>7.9</b>   |
| <b>U<sub>max</sub></b>   | <b>V</b>              | <b>0.9</b>   |
| <b>ΔT<sub>max</sub> ≥</b>  | <b>K</b>              | <b>69</b>    |
| <b>Q<sub>max</sub> ≥</b>   | <b>W</b>              | <b>4.2</b>   |
| <b>R<sub>ac</sub> (at 295 K)</b>   | <b>Ohm</b>            | <b>0.085</b> |
| <b>Tolerance R<sub>ac</sub></b>  | <b>%</b>              | <b>±10</b>   |
| <i>All parameters except R<sub>ac</sub> are given at T<sub>h</sub> = 300 K</i> |                       |              |
| Assembly parameters  | Unit                  | Value        |
| <b>Wires</b>   | <b>HB-0.35 4 600</b>  |              |
| <b>Cross section</b>   | <b>mm<sup>2</sup></b> | <b>0.35</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>       |

