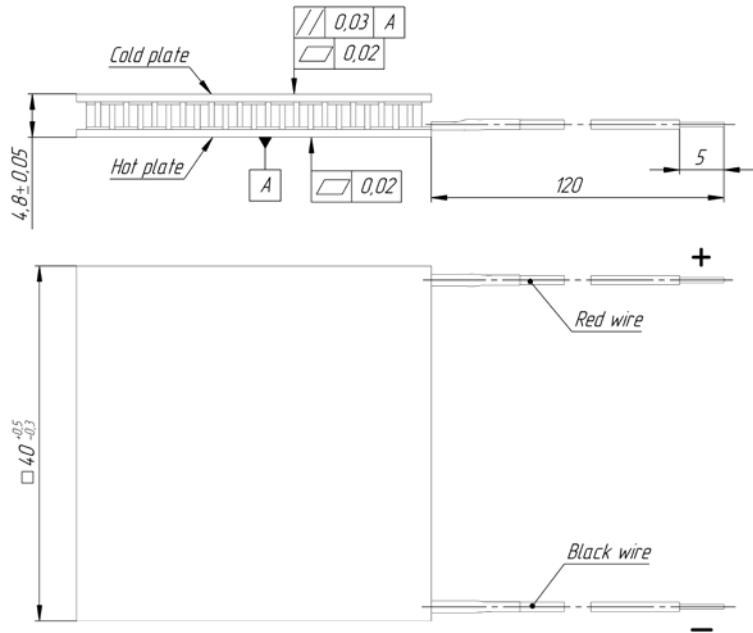
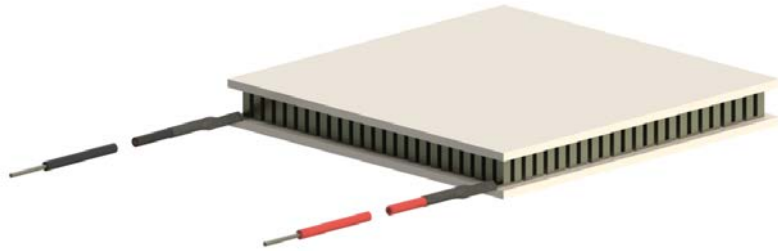


**SPECIFICATION OF THERMOELECTRIC MODULE TB-287-1.0-2.5**



| <i>Thermoelectric parameters</i>                                  | <i>Unit</i> | <i>Value</i> |
|-------------------------------------------------------------------|-------------|--------------|
| <b>I<sub>max</sub></b>                                            | <b>A</b>    | <b>1.9</b>   |
| <b>U<sub>max</sub></b>                                            | <b>V</b>    | <b>35.7</b>  |
| <b>ΔT<sub>max</sub> ≥</b>                                         | <b>K</b>    | <b>69</b>    |
| <b>Q<sub>max</sub> ≥</b>                                          | <b>W</b>    | <b>40.7</b>  |
| <b>R<sub>ac</sub> (at 295 K)</b>                                  | <b>Ohm</b>  | <b>14</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> |             |              |

| <i>Assembly parameters</i> | <i>Unit</i>           | <i>Value</i> |
|----------------------------|-----------------------|--------------|
| <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>   |

| <i>Operational parameters</i>      | <i>Unit</i> | <i>Value</i>     |
|------------------------------------|-------------|------------------|
| <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>       |