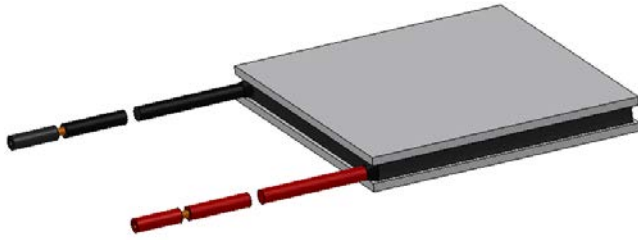


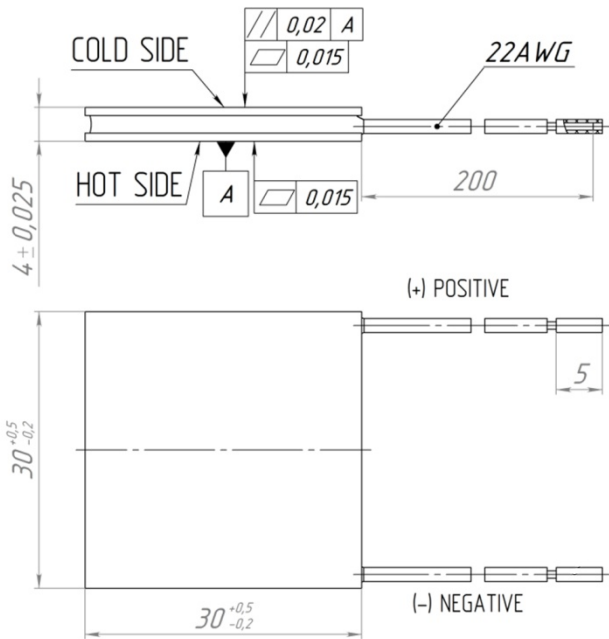
## SPECIFICATION OF THERMOELECTRIC MODULE AMS-71-1.4-1.5 (30x30) HT120 E L2 70K



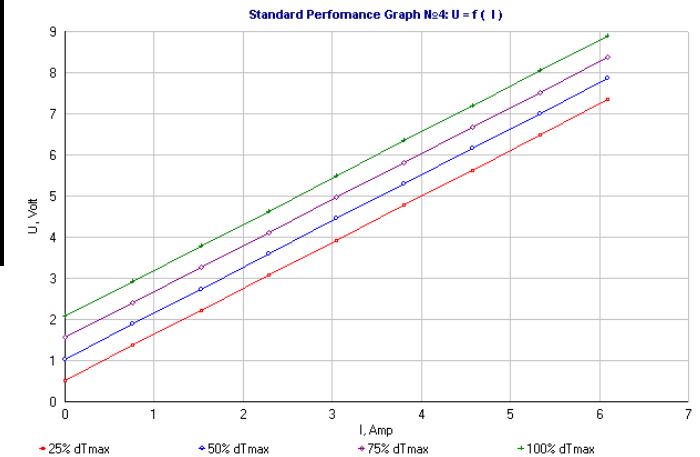
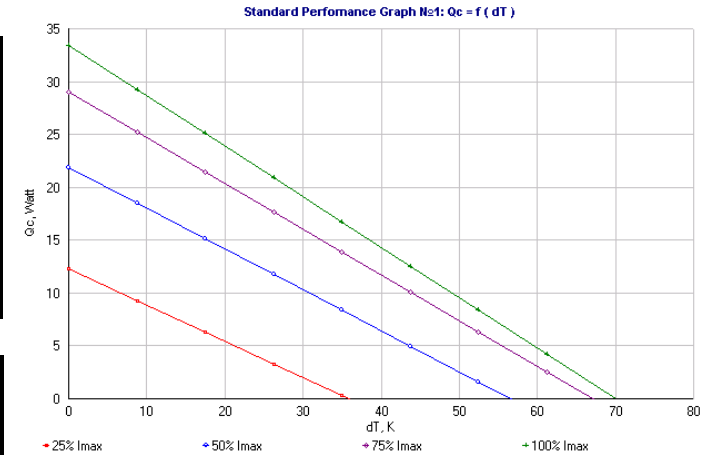
| Thermoelectric parameters   | Unit         | Value       |
|---|--------------|-------------|
| <b>I<sub>max</sub></b>  | <b>Amps</b>  | <b>6,1</b>  |
| <b>U<sub>max</sub></b>  | <b>Volts</b> | <b>8,9</b>  |
| <b>ΔT<sub>max</sub></b>   | <b>K</b>     | <b>70</b>   |
| <b>Q<sub>max</sub></b>  | <b>Watts</b> | <b>33,4</b> |
| <b>R<sub>ac</sub> (at 295 K), ±10%</b>                            | <b>Ohm</b>   | <b>1,17</b> |
| <i>All parameters except R<sub>ac</sub> are given at Th=300 K</i> |              |             |

| Option                              | Unit      | Value                              |
|-------------------------------------|-----------|------------------------------------|
| <b>Ceramic material</b>             | -         | <b>Al<sub>2</sub>O<sub>3</sub></b> |
| <b>Height tolerance</b>             | <b>mm</b> | <b>± 0,025</b>                     |
| <b>Flatness</b>                     | <b>mm</b> | <b>0,015</b>                       |
| <b>Parallelism</b>                  | <b>mm</b> | <b>0,02</b>                        |
| <b>Sealant: epoxy</b>               | -         | <b>E</b>                           |
| <b>Max. processing temperature*</b> | <b>°C</b> | <b>130</b>                         |
| <b>Max. operating temperature</b>   | <b>°C</b> | <b>120</b>                         |
| <b>Type of lead wires</b>           | -         | <b>22 AWG</b>                      |
| <b>ROHS compliance</b>              | -         | <b>Yes</b>                         |

\* The maximum processing temperature influence on the module and must not exceed 2 minutes



TEM no solder tabs, 200mm wires, the TEM wires stripped and without tinning, the cut insulation remaining at the wire end.



Manufactured by:



6 Aerodromnaya street, Saint-Petersburg, 197348 Russia