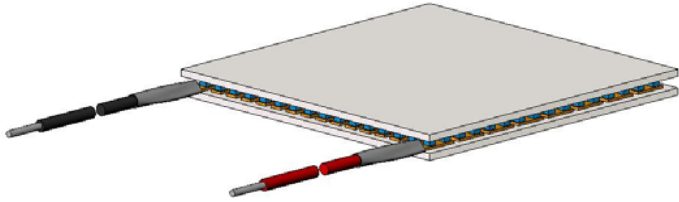


**SPECIFICATION OF THERMOELECTRIC MODULE LCB-127-1.0-0.8**


| <i>Thermoelectric parameters</i>                                  | <i>Unit</i>  | <i>Value</i> |
|---|--------------|--------------|
| <b>I<sub>max</sub></b>  | <b>Amps</b>  | <b>5.8</b>   |
| <b>U<sub>max</sub></b>  | <b>Volts</b> | <b>15.7</b>  |
| <b>ΔT<sub>max</sub></b>   | <b>K</b>     | <b>69</b>    |
| <b>Q<sub>max</sub></b>  | <b>Watts</b> | <b>56</b>    |
| <b>R<sub>ac</sub> (at 295 K)</b>                                  | <b>Ohm</b>   | <b>2.0</b>   |
| <b>Tolerance</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-0.35 4 600</b>  |              |
| <b>Cross section</b>       | <b>mm<sup>2</sup></b> | <b>0.35</b>  |
| <b>Metallization</b>       |                       | <b>Not</b>   |
| <b>Sealing</b>             |                       | <b>Not</b>   |
| <b>Internal solder</b>     | <b>°C</b>             | <b>139</b>   |
| <b>Brazing solder</b>      | <b>°C</b>             | <b>Not</b>   |

| <i>Operation 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>120</b>       |
| <b>ROHS compliance</b>             |             | <b>YES</b>       |
|                                    |             |                  |

