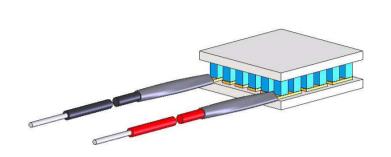
6 Aerodromnaya street, Saint-Petersburg, 197348 Russia

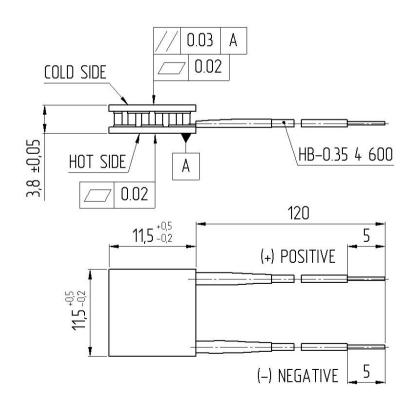
Tel: +7 812 394-13-10, fax: +7 812 394-12-67, E-mail: info@kryotherm.ru, http://www.kryotherm.ru

SPECIFICATION OF THERMOELECTRIC MODULE TB-17-1.0-1.5



| Thermoelectrical parameters | Unit | Value |
|--|-------|-------|
| Imax | Amps | 3.1 |
| Umax | Volts | 2.1 |
| ΔTmax | K | 69 |
| Qmax | Watts | 4.0 |
| \mathbf{R}_{ac} (at 295 K) | Ohm | 0.5 |
| Tolerance | % | ±10 |
| All parameters except R_{ac} are given at $Th=300 K$ | | |

| 5 | | Standard | l Performance Grap | oh N≘1: Qc = f (c | IT) | | |
|--------------------------|--------|-----------|--------------------|--------------------|---------------|----|----|
| 5 4 3 3 2 Oc. Wett 0 0 1 | 0 10 | 20 | 30 | 40 | 50 | 60 | 70 |
| → 25 | % Imax | ◆50% Imax | dT, K + 75% Ir | | +100% Imax | | |
| | | | | | . 50-0 111101 | | |



| Assembly parameters | Unit | Value | |
|---------------------|-----------------|-------|--|
| Wires | HB-0.35 4 600 | | |
| Cross section | mm ² | 0.35 | |
| Metallization | Not | | |
| Sealing | Not | | |
| Internal solder | °C | 139 | |
| Brazing solder | °C | not | |

| Operational parameters | Unit | Value |
|-----------------------------|------|-----------|
| Working temperature range | °C | -50 ÷ +80 |
| Max. processing temperature | °C | 130 |
| ROHS compliance | | YES |
| | | |

