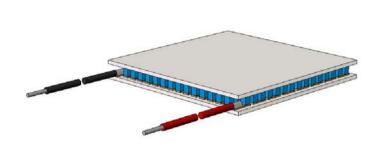
6 Aerodromnaya street, Saint-Petersburg, 197348 Russia

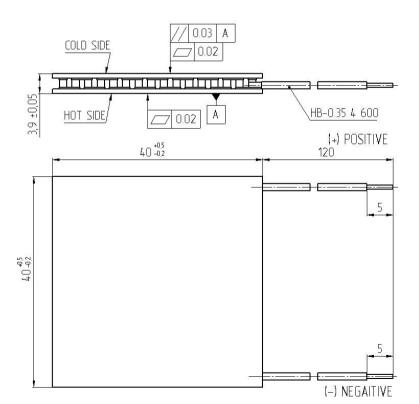
Tel: +7 812 394-13-10, fax: +7 812 394-12-67, E-mail: info@kryotherm.ru, http://www.kryotherm.ru

SPECIFICATION OF THERMOELECTRIC MODULE Frost-72



| Thermoelectrical parameters | Unit | Value | | |
|--|-------|-------|--|--|
| Imax | Amps | 6.2 | | |
| Umax | Volts | 16.3 | | |
| ΔTmax | K | 72 | | |
| Qmax | Watts | 62.0 | | |
| \mathbf{R}_{ac} (at 295 K) | Ohm | 2.05 | | |
| Tolerance | % | ±10 | | |
| All parameters except R_{ac} are given at $Th=300 K$ | | | | |

| 70 | | Stand | lard Perfomar | ice Graph N≌' | l: Qc = f (dT) | | | |
|-----------------------|--------|-----------|---------------|---------------|------------------|------------|----|----|
| 70 | | | | | | | | |
| 60 | | | | | | | | |
| 50 | | | | | | | | |
| 40 oc. Watt | | | | | | | | |
| g 30 | | | | | | | | |
| 20 | | | | | | | | |
| 10 | | | | | | | | |
| ا ٥ |) 10 | 20 | 30 | 40 dT, K | 50 | 60 | 70 | 80 |
| | | | | | | | | |
| 25% | 6 Imax | ◆50% Imax | | ♦ 75% Imax | | +100% Imax | | |



| Assembly parameters | Unit | Value |
|---------------------|-----------------|-------|
| Wires | HB-0.35 4 600 | |
| Cross section | mm ² | 035 |
| 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 |

