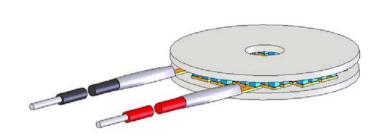
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SPECIFICATION OF THERMOELECTRIC MODULE TB-43-1.0-0.8CHR



| Thermoelectrical parameters | Unit | Value |
|--|-------|-------|
| Imax | Amps | 5.8 |
| Umax | Volts | 5.3 |
| Δ Tmax | K | 69 |
| Qmax | Watts | 19.0 |
| R _{ac} (at 295 K) | Ohm | 0.7 |
| Tolerance | % | ±10 |
| All parameters except R_{ac} are given at Th=300 K | | |

| | | Standard Po | erfornance Graj | ph N≘1: Qc = f (| dT) | |
|------------|-----|-------------|-----------------|------------------|-------|------|
| 20 | | | | | | |
| 18 | | | | | | |
| 16 | * | | | | | |
| ., | M. | | | | | |
| 14 | | | | | | |
| ± 12 | | * | | | | |
| 00°, Watt | | | * | | | |
| ĕ 8 | | | | | | |
| | | | | | | |
| 6 | - | | | | * | |
| 4 | | | _ | | | |
| 2 | | | | | | |
| | | | | | 100 | |
| 0 | 10 | 20 | 30 | 40 | 50 | 60 |
| | | | dT,K | | | |
| • 25% lmax | • 5 | 0% lmax | ≎75% li | max | +100% | lmax |

| COLD SIDE | 0.03 A 0.02 | |
|----------------------|-------------|---------------|
| HOT SIDE A | 0.02 | HB-0.35 4 600 |
| <u></u> | - | 120 |
| Ø 24 ^{+0,5} | | (+) POSITIVE |
| | | 5 |
| Ø5-0,5 | | (-) NEGATIVE |

| 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 |
| _ | | |

