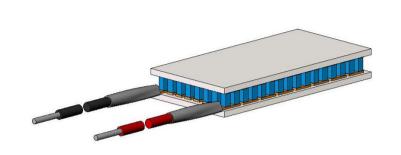


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SPECIFICATION OF THERMOELECTRIC MODULE TB-63-1.0-2.0



| Thermoelectrical parameters | Unit | Value |
|--------------------------------|----------------|----------|
| Imax | Amps | 2.3 |
| Umax | Volts | 7.9 |
| ΔTmax | K | 70 |
| Qmax | Watts | 11.4 |
| \mathbf{R}_{ac} (at 295 K) | Ohm | 2.5 |
| Tolerance | % | ±10 |
| All parameters except R_{ac} | are given at T | Th=300 K |

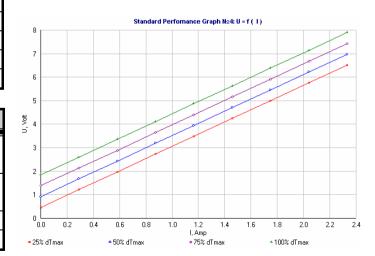
| 12 | Standar | d Performance Graph No | 21: Qc = f (dT) | |
|------------|-----------|------------------------|-------------------|-------|
| 10 | | | | |
| 8 | | | | |
| Oc, watt | | | | |
| 4 | | | | |
| 2 | | | | |
| 0 0 | 10 20 | 30 40 dT,K | 50 60 | 70 80 |
| - 25% Imax | ◆50% Imax | + 75% Imax | + 100% Imax | |

| COLD SIDE | // 0.03 A // 0.02 | |
|----------------|--------------------|---------------------|
| | | |
| HOT SIDE | | HB-0.35 4 600 |
| - 1 | 30 ^{+0.5} | (+) POSITIVE 120 |

| - - | 30 ^{+0.5} | (+) POSITIVE |
|---|--------------------|--------------|
| -0.2 | | 5 |
| <u>, </u> | - | 5 |

| 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 |
| | | |



(-) NEGATIVE