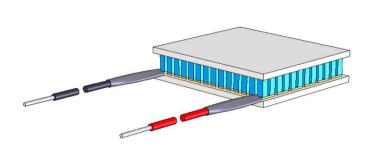
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SPECIFICATION OF THERMOELECTRIC MODULE TB-83-1.0-2.5

Value

The arms of actional



| parameters | Unit | Value |
|------------------------------------|--------------|---------|
| Imax | Amps | 1.9 |
| Umax | Volts | 10.4 |
| ΔTmax | K | 70 |
| Qmax | Watts | 12.0 |
| $\mathbf{R_{ac}}$ (at 295 K) | Ohm | 4.15 |
| Tolerance | % | ±10 |
| All parameters except R_{ac} are | e given at T | h=300 K |

| 40 | Stan | dard Perfornance Graph I | N≘1:Qc = f (dT) | |
|------------|-----------|--------------------------|-----------------|-------|
| 12 | | | | |
| 8 | | | | |
| Gc, 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 | |
|-------------|-------------|----------------------|
| | | |
| 4,8 ±0,05 | SIDE / A | <u>HB-0.35 4 600</u> |
| 8, 4 | 19 +0,5 | 120 |
| | | (+) POSITIVE |
| | _ | 5 |
| 22 +0.5 | | |
| | | 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 |
| - | | |

