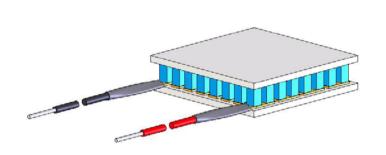
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## SPECIFICATION OF THERMOELECTRIC MODULE TB-31-1.4-2.5



Thermoelectrical parameters	Unit	Value
Imax	Amps	3.7
Umax	Volts	4.0
ΔTmax	K	72
Qmax	Watts	9.1
<b>R</b> <sub>ac</sub> (at 295 K)	Ohm	0.8
Tolerance	%	±10
All parameters except $R_{ac}$ are given at Th=300 K		

	10		Stand	dard Perfoma	ance Graph No	21: Qc = f ( dT	)		
	8								
Qc, Watt	6								
0	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	0.02 A HB-0.35 4 600
HOT SIDE / 20 -0.2	120 (+) POSITIVE
20 +0.5	5
50	(-) NEGATIVE

Assembly parameters	Unit	Value	
Wires	HB-0.35 4 600		
Cross section	mm <sup>2</sup>	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

