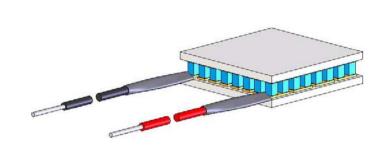
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SPECIFICATION OF THERMOELECTRIC MODULE TB-31-1.0-1.5



Thermoelectrical parameters	Unit	Value
Imax	Amps	3.1
Umax	Volts	3.8
ΔTmax	K	69
Qmax	Watts	7.3
\mathbf{R}_{ac} (at 295 K)	Ohm	0.9
Tolerance	%	±10
All parameters except R_{ac} are given at Th=300 K		

	Standard Performance Graph №1: Qc = f (dT)			
8				
7				
6				
5				
Oc. Watt				
3				
2				
1				
٥	10 20	30 40	50 60	70
• 25% Imax	◆ 50% Imax	dT, K +75% Imax	+100% Imax	

COLD SIDE	0.02	A
3,8 ±0,05	14,8 +0,5 14,8 +0,5	\HB-0.35 4 600
1	_	(+) POSITIVE
14,8 +0.5		5
<u> </u>	_	(-) 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
-		

