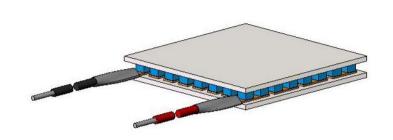


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SPECIFICATION OF THERMOELECTRIC MODULE TB-31-2.0-1.5



Thermoelectrical parameters	Unit	Value	
Imax	Amps	12.4	
Umax	Volts	3.9	
ΔTmax	K	70	
Qmax	Watts	29.8	
R _{ac} (at 295 K)	Ohm	0.24	
Tolerance	%	±10	
All parameters except R_{ac} are given at Th=300 K			

30 +		Stand	ard Perforna	nce Graph Nº	1: Qc = f (dT)		
25								
20								
15 oc. wat								
10								
5								
0	10	20	30	40 dT, K	50	60	70	80
• 25% Imax		• 50% Imax		+75% Imax		+100% Ima	×	

0.05	COLD SIDE	HB-0.35 4 600
_	30 ^{+0.5}	(+) POSITIVE 120
30 -0.5		5
8	_	5
Ţ		(-) 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

