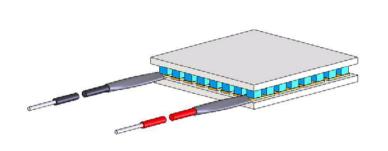
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## SPECIFICATION OF THERMOELECTRIC MODULE TB-31-1.4-1.15



Thermoelectrical parameters	Unit	Value
Imax	Amps	7.9
Umax	Volts	3.8
ΔTmax	K	69
Qmax	Watts	18.6
<b>R</b> <sub>ac</sub> (at 295 K)	Ohm	0.4
Tolerance	%	±10
All parameters except $R_{ac}$ are given at Th=300 K		

		Standar	d Perfornance G	raph N≘1: Qc = f	(dT)		
20 [							
18							
16							
14							
12							
Oc. Watt							
8			-				
6					$\overline{}$		
4							
2							
o l	) 10	20	30 dT, l	40	50	60	70
<b>-</b> 25%	í Imax	◆50% Imax		Imax	+100% lm	iax	

COLD SIDE	0.03 A 0.02	
<b>†</b>		
3,6 ±0,05		\\\\\HB-0.35 4 600
3,6	<b>20</b> <sup>+0,5</sup> <sub>-0,2</sub>	120
		(+) POSITIVE
1	-	
+0.5 -0.2		5
20 -0.2		5
4		(-) 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

