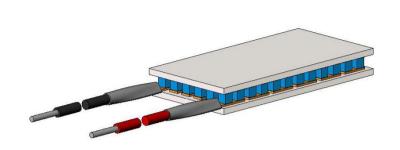


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SPECIFICATION OF THERMOELECTRIC MODULE TB-35-1.4-1.5



Thermoelectrical parameters	Unit	Value
Imax	Amps	6.1
Umax	Volts	4.4
ΔTmax	K	70
Qmax	Watts	16.4
R _{ac} (at 295 K)	Ohm	0.58
Tolerance	%	±10
All parameters except R_{ac} are given at Th=300 K		

10	S	tandard Perform	ance Graph Nº1	: Qc = f (dT)			
18							
16							
14							
12							
# 10							
Oc, Welt							
6							
4							
2							
					100		
0	10 20	30	40 dT, K	50	60	70	80
• 25% Imax	◆50% Im	ax	+ 75% Imax		+ 100% Imax		

COLD SIDE	// 0.03 A 0.02	
SO HOT SIDE	0.02 A	HB-0.35 4 600
-	30 ^{+0,5} -0,2	120 (+) POSITIVE
75 - 40.2 - 40.2		5
8 <u>I - </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
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