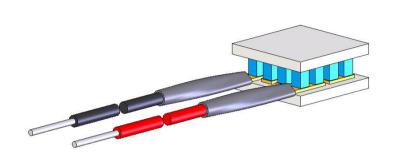
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SPECIFICATION OF THERMOELECTRIC MODULE TB-7-1.0-1.5



Thermoelectrical parameters	Unit	Value
Imax	Amps	3.1
Umax	Volts	0.9
ΔTmax	K	69
Qmax	Watts	1.7
R _{ac} (at 295 K)	Ohm	0.2
Tolerance	%	±10
All parameters except R_{ac} are given at Th=300 K		

1.8		Standar	d Performano	e Graph N≘1: Q	c = f (dT)		
1.6							
1.4							
1.2	7						
ij 1.0							
1.0 Welt							
0.6		\rightarrow					
0.4							
0.2							
0.0	10	20	30	40	50	60	
0	10	20	30	40 dT, K	50	60	70
• 25% Imax	4	50% Imax		75% Imax	+100%	Imax	

COLD SIDE	// 0.03 A	
HOT SIDE	A 0.02	HB-0.35 4 600 120 (+)POSITIVE
405	+0.5	5
Φ		(–)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

