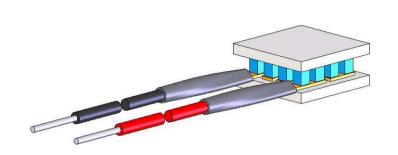


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SPECIFICATION OF THERMOELECTRIC MODULE TB-7-1.0-1.3



Thermoelectrical parameters	Unit	Value
Imax	Amps	3.6
Umax	Volts	0.9
ΔTmax	K	69
Qmax	Watts	1.9
R _{ac} (at 295 K)	Ohm	0.18
Tolerance	%	±10
All parameters except R_{ac} are given at $Th=300 K$		

	Standard Performance Graph N≘1: Qc = f (dT)			
2.0				
1.8				
1.6				
1.4				
1.2				
1.0				
0.8				
0.6				
0.4			1	
0.2				
0.0	10 20	30 40 dT,K	50 60	70
◆ 25% Imax	◆ 50% Imax	+ 75% Imax	+100% Imax	

COLD SIDE	// 0.03 A	
3,6 ±0,05 HOT SIDE	A A	HB-0.35 4 600
· -	8 -0.2	120 (+)POSITIVE
8 -0.2		(–)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

