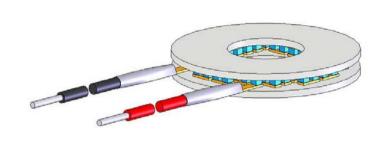
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## SPECIFICATION OF THERMOELECTRIC MODULE TB-38-1.0-0.8CHR



Thermoelectrical parameters	Unit	Value
Imax	Amps	5.8
Umax	Volts	4.7
ΔTmax	K	69
Qmax	Watts	16.8
$\mathbf{R}_{ac}$ (at 295 K)	Ohm	0.64
Tolerance	%	±10
All parameters except $R_{ac}$ are given at Th=300 K		

40		Standard	d Performance (	Graph N≘1: Qc =	f(dT)	
18						
16						
14						
12						
10 Oc. Watt		*				
8 B			*			
6				***		
4		•			*	
2				_		
0	10	20	30	40	50	60
			dT,	.K		
• 25% lmax	•	50% lmax	<b>♦75</b>	% lmax	+1009	6 lmax

COLD SIDE	HB-0.35 4 600
Ø 24 +0.5 Ø 9.8 +0.2 Ø 9.8 -0.5	(+) POSITIVE

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

