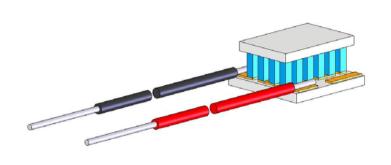


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SPECIFICATION OF THERMOELECTRIC MODULE TB-12-0.45-1.3



Thermoelectrical parameters	Unit	Value
Imax	Amps	0.7
Umax	Volts	1.4
ΔTmax	K	67
Qmax	Watts	0.6
\mathbf{R}_{ac} (at 295 K)	Ohm	1.8
Tolerance	%	±10
All parameters except R_{ac} are given at Th=300 K		

		Standard	Performance G	raph N⊵1: Qc =	f(dT)	
0.7						
0.6	_					
0.5		*				
0.4 Welt						
0.3			*			
0.2		-				
0.1						*
0.0	10	20	30 dT, l	40	50	60
• 25% lmax	• 5	50% Imax		6 Imax	+1009	6 Imax

COLD SIDE	// 0.15 A 0.1
HOT SIDE/	HB-0.20 4 600
~ [5 -	0,5 0,2 50
	(+) POSITIVE
3,4-0.2	5 5
<u> </u>	(–) NEGATIVE

Assembly parameters	Unit	Value
Wires	HB-0.20 4 600	
Cross section	mm ²	0.20
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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