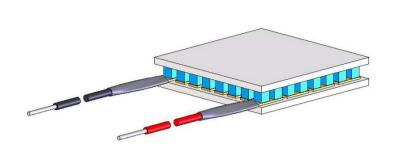
6 Aerodromnaya street, Saint-Petersburg, 197348 Russia

Tel: +7 812 394-13-10, fax: +7 812 394-12-67, E-mail: info@kryotherm.ru, http://www.kryotherm.ru

SPECIFICATION OF THERMOELECTRIC MODULE TB-31-1.4-1.5



Thermoelectrical parameters	Unit	Value
Imax	Amps	6.1
Umax	Volts	3.9
Δ Tmax	K	70
Qmax	Watts	14.6
\mathbf{R}_{ac} (at 295 K)	Ohm	0.5
Tolerance	%	±10
All parameters except R_{ac} are given at $Th=300 K$		

16		Stand	ard Perfornar	ice Graph Nº	1: Qc = f (dT)		
14								
12								
10								
oc, watt								
6								
4								
2								
0 0	10	20	30	40	50	60	70	8
• 25% Im	av	◆ 50% Imax		dT, K + 75% Imax		+100% Imax		

COLD SIDE	0.03 A	
HOT SIDE /	0.02 A	\HB-0.35 4 600
4	20 +0,5	120
-		(+) POSITIVE
1		
20 -0.2		5_
20		5
<u> </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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