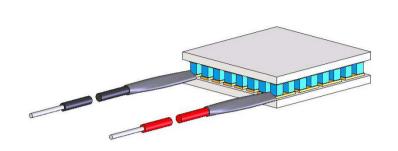
6 Aerodromnaya street, Saint-Petersburg, 197348 Russia

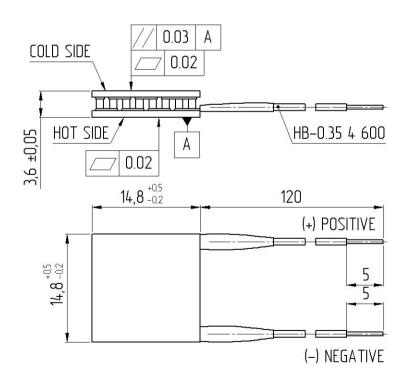
Tel: +7 812 394-13-10, fax: +7 812 394-12-67, E-mail: info@kryotherm.ru, http://www.kryotherm.ru

## SPECIFICATION OF THERMOELECTRIC MODULE TB-31-1.0-1.3



Thermoelectrical parameters	Unit	Value
Imax	Amps	3.6
Umax	Volts	3.8
ΔTmax	K	69
Qmax	Watts	8.4
<b>R</b> <sub>ac</sub> (at 295 K)	Ohm	0.8
Tolerance	%	±10
All parameters except $R_{ac}$ are given at Th=300 K		

		Standard	l Performance Gra	ph №1: Qc = f	(dT)		
10 8 6							
0 0	10	20 50° Imau	30 dT, K	40	50	60	70
	8 6 4 2	6 4 2 0 0 10	10 8 6 4 2 0 0 10 20	10 8 6 4 2 0 0 10 20 30 dT.K	10 8 6 4 2 0 0 10 20 30 dt, K	8 6 4 2 0 0 10 20 30 dT.K	10 8 6 4 2 0 0 10 20 30 dT.K 40 50 60



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
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