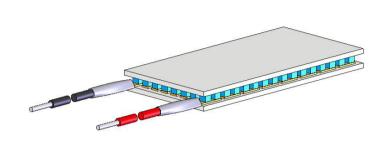
6 Aerodromnaya street, Saint-Petersburg, 197348 Russia

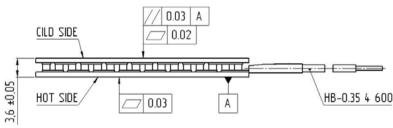
Tel: +7 812 394-13-10, fax: +7 812 394-12-67, E-mail: info@kryotherm.ru, http://www.kryotherm.ru

## SPECIFICATION OF THERMOELECTRIC MODULE TB-63-1.4-1.15



Thermoelectrical parameters	Unit	Value
Imax	Amps	7.9
Umax	Volts	7.8
ΔTmax	K	69
Qmax	Watts	37.9
<b>R</b> <sub>ac</sub> (at 295 K)	Ohm	0.72
Tolerance	%	±10
All parameters except $R_{ac}$ are given at Th=300 K		

	Standa	rd Perfomance Graph №1: Qc	=f(dT)	
40				
35				
30				
25				
20 °C Watt				
15				
10				
5				
0	10 20	30 40 dT, K	50 60	70
◆ 25% Imax	◆ 50% Imax	+ 75% Imax	+100% Imax	



40 -0.5

^	
-	120
	(+) POSITIVE
_	5
	5
-	
	(-) NEGATIVE

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

