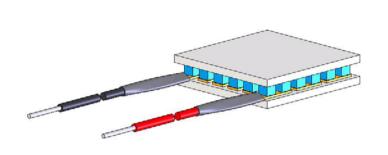
6 Aerodromnaya street, Saint-Petersburg, 197348 Russia

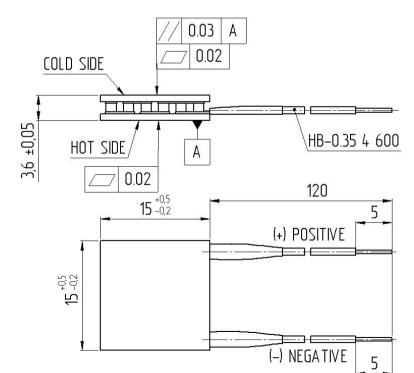
Tel: +7 812 394-13-10, fax: +7 812 394-12-67, E-mail: info@kryotherm.ru, http://www.kryotherm.ru

## SPECIFICATION OF THERMOELECTRIC MODULE TB-17-1.4-1.15



Thermoelectrical parameters	Unit	Value	
Imax	Amps	7.9	
Umax	Volts	2.1	
ΔTmax	K	69	
Qmax	Watts	10.2	
$\mathbf{R}_{ac}$ (at 295 K)	Ohm	0.2	
Tolerance	%	±10	
All parameters except $R_{ac}$ are given at Th=300 K			

12	Standard Perfomance Graph N21: Qc = f ( dT )							
12	2							
10	•							
8	8							
Qc, Watt	6							
4	4							
2	2							
C	0	10	20	30 dT, k	40	50	60	70
• 2	25% Imax	•	50% Imax	÷ 75%		+100% In	nax	



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

