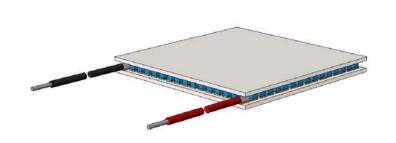
6 Aerodromnaya street, Saint-Petersburg, 197348 Russia

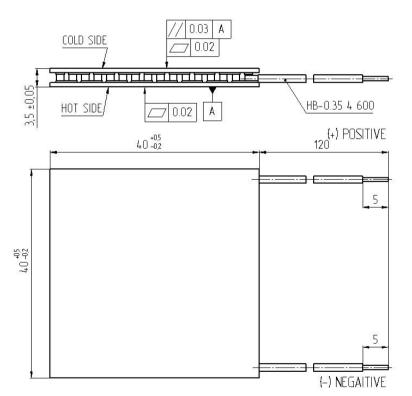
Tel: +7 812 394-13-10, fax: +7 812 394-12-67, E-mail: info@kryotherm.ru, http://www.kryotherm.ru

## SPECIFICATION OF THERMOELECTRIC MODULE TB-127-1.4-1.2



Thermoelectrical parameters	Unit	Value	
Imax	Amps	7.6	
Umax	Volts	15.9	
ΔTmax	K	70	
Qmax	Watts	75	
<b>R</b> <sub>ac</sub> (at 295 K)	Ohm	1.5	
Tolerance	%	±10	
All parameters except $R_{ac}$ are given at Th=300 K			

80		Standa	ard Performand	e Graph Nº1:	Qc = f ( dT )			
70								
60								
50		1						
#Watt								
30								-
20								
10								-
0	0 10	20	30	40 dT, K	50	60	70	80
<b>-</b> 25	5% Imax	◆ 50% Imax		75% Imax		+ 100% Imax		



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

