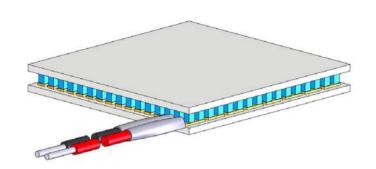
6 Aerodromnaya street, Saint-Petersburg, 197348 Russia

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

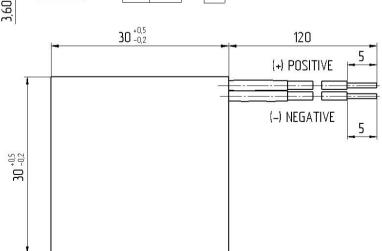
## SPECIFICATION OF THERMOELECTRIC MODULE TB-127-1.0-1.3 RE



Thermoelectrical parameters	Unit	Value	
Imax	Amps	3.6	
Umax	Volts	15.7	
ΔTmax	K	69	
Qmax	Watts	34.5	
$\mathbf{R_{ac}}$ (at 295 K)	Ohm	3.2	
Tolerance	%	±10	
All parameters except $R_{ac}$ are given at $Th=300 K$			

35		Standard	Performance Gr	aph N≘1: Qc = f	(dT)		
30							
30							
25							
20 .veitt			•				
ž 15							
10							
5							
0 0	10	20	30 dT, K	40	50	60	70
• 25% Imax	4	50% Imax	÷ 75%		+100% In	nax	

10	COLD SIDE	0.03	A	
3,60 ±0,05	HOT SIDE	0.02	A	\HB-0.35 4 600
~~~	-	30 +0,5	be   -4	120



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	°C	-50 ÷
range Max. processing		+80
temperature	$^{\circ}\mathrm{C}$	130
ROHS compliance		YES

