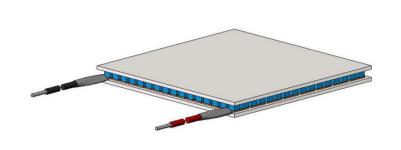
6 Aerodromnaya street, Saint-Petersburg, 197348 Russia

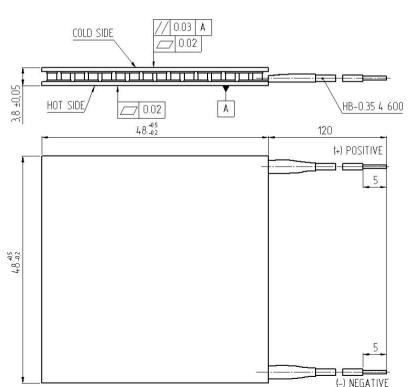
Tel: +7 812 394-13-10, fax: +7 812 394-12-67, E-mail: info@kryotherm.ru, http://www.kryotherm.ru

SPECIFICATION OF THERMOELECTRIC MODULE TB-127-2.0-1.5



Thermoelectrical parameters	Unit	Value		
Imax	Amps	12.4		
Umax	Volts	15.9		
ΔTmax	K	70		
Qmax	Watts	122		
\mathbf{R}_{ac} (at 295 K)	Ohm	0.95		
Tolerance	%	±10		
All parameters except R_{ac} are given at $Th=300 K$				

	140			Standar	d Perfornan	ce Graph №1:	Qc = f (dT)			
	120									
	100									
Qc, Watt	80 4		-							
Öc	60	*	-							
	40									
	20									
	0 () 1	10	20	30	40 dT, K	50	60	70	80
	• 253	% Imax	+ 5	0% Imax		+ 75% Imax	-	+ 100% Imax		



Assembly parameters	Unit	Value	
Wires	HB-0.35 4 600		
Cross section	mm ²	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

