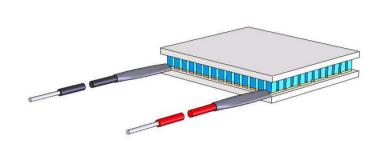
6 Aerodromnaya street, Saint-Petersburg, 197348 Russia

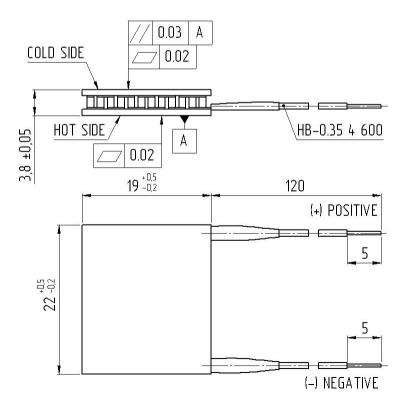
Tel: +7 812 394-13-10, fax: +7 812 394-12-67, E-mail: info@kryotherm.ru, http://www.kryotherm.ru

SPECIFICATION OF THERMOELECTRIC MODULE TB-83-1.0-1.5



Thermoelectrical parameters	Unit	Value		
Imax	Amps	3.1		
Umax	Volts	10.3		
ΔTmax	K	69		
Qmax	Watts	19.5		
R _{ac} (at 295 K)	Ohm	2.3		
Tolerance	%	±10		
All parameters except R_{ac} are given at $Th=300 \text{ K}$				
Assembly	T7	1		

	20 г			Standard	Performance	Graph №1: Qc	= f (dT)		
	20 F								
	18								
	16								
	14	71		\leftarrow					
Qc, Watt	12		-						
	10			_					
U	8								
4	6			-					
	4								
	2								
	٥L						$\overline{}$		
	0	1	0	20		40 , K	50	60	70
	• 25%	Imax	÷ 503	% Imax	÷7	5% Imax	+100% li	max	



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
-		

