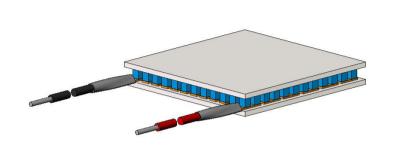


6 Aerodromnaya street, Saint-Petersburg, 197348 Russia

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-71-1.4-1.8



Thermoelectrical parameters	Unit	Value
Imax	Amps	5.1
Umax	Volts	8.9
ΔTmax	K	70
Qmax	Watts	27.9
R _{ac} (at 295 K)	Ohm	1.38
Tolerance	%	±10
All parameters except R_{ac} are given at $Th=300 K$		

30	Sta	ndard Perfoman	ce Graph №1:	Qc = f (dT)			
25							
20							
Joo Nett							
10							
5							
0 0	10 20	30	40 dT, K	50	60	70	80
- 25% Imax	÷50% Imax		+ 75% Imax	-	100% Imax		

	COLD SIDE	// o.c	3 A O2		
50,			<u> </u>]
4,2 ±0,05	HOT SIDE/	0.02	A		<u>HB-0.35 4 600</u>
12	-	30 ^{+0,5} -0,2	-	120	(+) POSITIVE
İ			(-		5
30 45					
8					
			;		5
<u> </u>				(–) NEGATIVE

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

