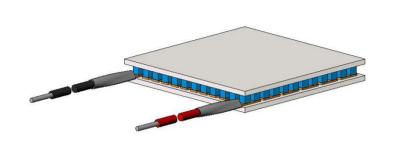


6 Aerodromnaya street, Saint-Petersburg, 197348 Russia

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-71-1.4-1.5



Thermoelectrical parameters	Unit	Value
Imax	Amps	6.1
Umax	Volts	8.9
ΔTmax	K	70
Qmax	Watts	33.4
<b>R</b> <sub>ac</sub> (at 295 K)	Ohm	1.17
Tolerance	%	±10
All parameters except $R_{ac}$ are given at $Th=300 K$		

35	Stan	dard Performance Graph No	21: Qc = f ( dT )		
30					
25					
20 Net					
9 15					
10					
5					
0 0	10 20	30 40 dT, K	50 60	70	80
• 25% Imax	◆50% Imax	+ 75% Imax	+100% Im	ax	

	COLD SIDE	// 0.0 // 0	03 A .02	
4 ±0,05	HOT SIDE	0.02	Y A	HB-0.35 4 600
<b>T</b>	-	30 <sup>+0,5</sup> -0,2	-	120 (+) POSITIVE
30 -0,5				<u>  5                                   </u>
•			_	(–) NEGATIVE

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
-		

