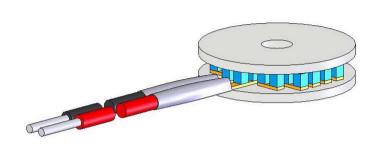


6 Aerodromnaya street, Saint-Petersburg, 197348 Russia

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-21-1.0-1.3CHR



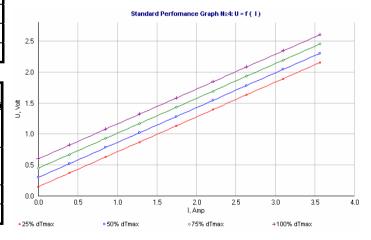
Thermoelectrical parameters	Unit	Value	
Imax	Amps	3.6	
Umax	Volts	2.6	
ΔTmax	K	69	
Qmax	Watts	5.7	
$\mathbf{R_{ac}}$ (at 295 K)	Ohm	0.6	
Tolerance	%	±10	
All parameters except R_{ac} are given at $Th=300 K$			

		Standard P	erfornance G	raph N≘1: Qc = 1	r(dT)		
6		Cooling Cap Parameter	aph №1 Qc = f acity (Watt) vs - Current (Amp) raph use mouse	delta T(K)			
4	*						
οc, watt							
2							
1							
0 0	10	20	30 dT,1	40	50	60	70
• 25% Imax	• 5	i0% lmax	⋄759	6 Imax	+100%	lmax	

COLD SIDE	0.03 A O.02	
3,6 ±0,05 HOT SIDE	A 0.02	HB-0.20 4 600
9 HOT SIDE Ø 15 -0.2 Ø 3 -0.5		(+) POSITIVE 5 (-) NEGATIVE 5

Assembly parameters	Unit	Value
Wires	HB-0.20 4 600	
Cross section	mm ²	0.20
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	120
ROHS compliance		YES
-		



Kryotherm

Customer