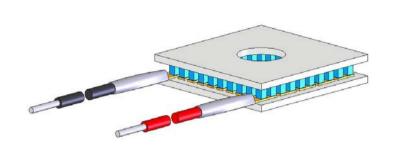
6 Aerodromnaya street, Saint-Petersburg, 197348 Russia

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-41-1.0-1.5CH



Thermoelectrical parameters	Unit	Value
Imax	Amps	3,1
Umax	Volts	5,1
ΔTmax	K	69
Qmax	Watts	9,6
\mathbf{R}_{ac} (at 295 K)	Ohm	1,2
Tolerance	%	±10
All parameters except R _{ac} are given at Th=300 K		

10	Standard Performance Graph №1: Qc = f (dT)			
9				
8				
7 6				
Oc, Watt				
4				
3 2				
1				
0	0 10 2	20 30 dT, K	40 50	60
• 25%	max •50% lm	ax	lmax 4	100% lmax

COLD SII	DE 0.02	A
3,8 ±0,05	SIDE A	0.02 HB-0.35 4 600
<u></u>	20 -0.2	120 (+) POSITIVE
20 +0.5		Ø 6,5 +0,2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
		(–) 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

