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 CHILL



Thermoelectrical parameters	Unit	Value	
Imax	Amps	6.1	
Umax	Volts	24.9	
ΔTmax	K	70	
Qmax	Watts	94.0	
R _{ac} (at 295 K)	Ohm	3.2	
Tolerance	%	±10	
All parameters except R_{ac} are given at Th=300 K			

	100			Stan	dard Perfoma	ance Graph Nº	1:Qc=f(dT)			
	80 °									
Qc, Watt	60 '									
Oc.	40									
	20									
	0	0	10	20	30	40 dT, K	50	60	70	80
	- 253	% Imax		◆ 50% Imax		+ 75% Imax		+100% Imax		

4,1±0,05	COLD SIDE	// 0.03 A	HB-0.35 4 600 (+) POSITIVE
92	-	40 -02	120
40 -0.2			(-) NEGALTIVE

Assembly parameters	Unit	Value	
Wires	HB-0.35 4 600		
Cross section	mm ²	035	
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

