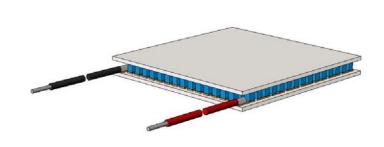


6 Aerodromnaya street, Saint-Petersburg, 197348 Russia Tel: +7 812 394-13-10, fax: +7 812 394-12-67, E-mail: info@kryotherm.ru, http://www.kryotherm.ru

SPECIFICATION OF THERMOELECTRIC MODULE Frost-71



Thermoelectrical parameters	Unit	Value
Imax	Amps	6.1
Umax	Volts	16.1
Δ Tmax	K	71
Qmax	Watts	61
\mathbf{R}_{ac} (at 295 K)	Ohm	2.05
Tolerance	%	±10
All parameters except R_{ac} are given at Th=300 K		

70 _[Mod	ule FROS	T-71: Ca	oling cap	acity vs	dT, Th =30	OOK .	
60								
50								
## 40 00 30	a	*						
ලි 30		~		*				
20	00	_		a a				
10	7	0			2		_	
o L	10	20	30	40 dT, K	50	60	70	80
	 1.5 Amp	- ◆- 3.1	Amp	→ 4.6	Amp	—— 6.1 <i>A</i>	Amp	

3,9 ±0,05	COLD SIDE	HB-0.34 4 600 (+) POSITIVE
40.40.2	, <u>-</u>	5
•	3.	(–) NEGAITIVE

Assembly parameters	Unit	Value	
Wires	20AWG		
Cross section	mm ²		
Metallization	Not		
Sealing	Not		
Internal solder	°C	139	
Brazing solder	°C	Not	

Operational parameters	Unit	Value
Working temperature range	°C	-50 ÷ +120
Max. processing temperature	°C	130
ROHS compliance		-

