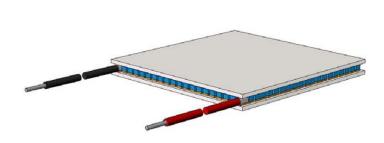


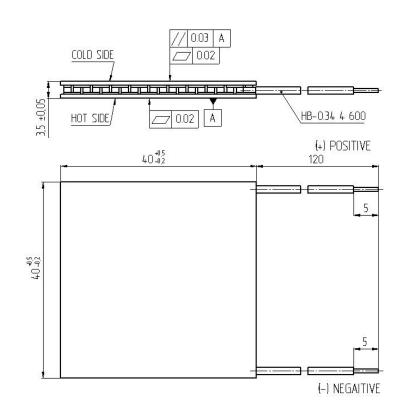
6 Aerodromnaya street, Saint-Petersburg, 197348 Russia Tel: +7 812 394-13-10, fax: +7 812 394-12-67, E-mail: info@kryotherm.ru, http://www.kryotherm.ru

SPECIFICATION OF THERMOELECTRIC MODULE Drift-1.05



Thermoelectri parameters		Unit	Value		
Imax		Amps	8.6		
Umax		Volts	24.6		
ΔTmax		K	69		
Qmax		Watts	131		
R _{ac} (at 295 K)		Ohm	2.15		
Tolerance		%	±10		
All parameters except R_{ac} are given at Th=300 K					
Assembly	Unit	Unit Value			

	140 (Module	DRIFT-1.05:	Cooling ca	pacity vs d	T, Th =300	K
	120						
	100						
Qc, Watt	80	The state of the s	*	+			
90	60			The state of the s			
	40	000		a a	***************************************		
	20		0	-0.		*	
	0 l) 10	20	30 dT, K	40 5	50 6	50 70
		—— 2.2 Amp	4.3 Amp		5 Amp	8.6 Amp)



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		-

