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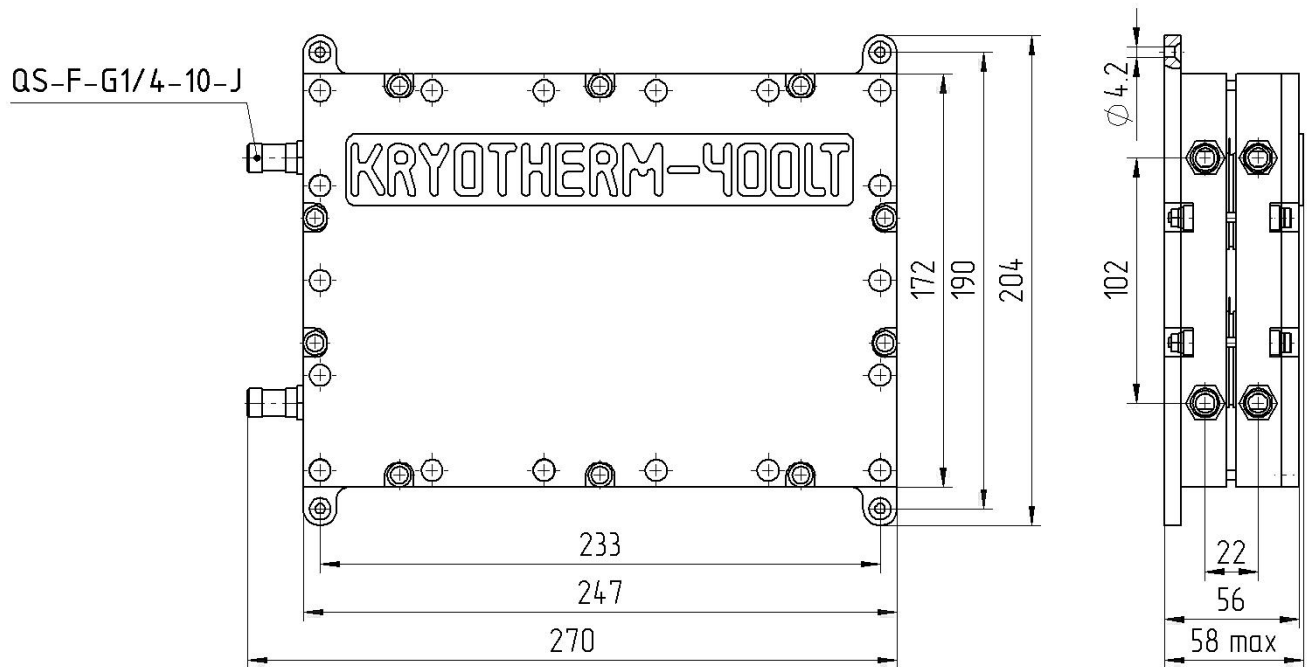
Specification of thermoelectric cooling assembly 400LT

Thermoelectric assembly 400LT is a solid state unit aimed for cooling or temperature stabilization purposes for general application.

№	Parameter	Unit	Value
1	Supply voltage (direct current)	V	24
2	Current consumption, not more than	A	63.5
3	Mode of operation	-	continuous
4	Liquid of the hot circuit	-	water, aqueous solution ethanol, ethylene glycol and other liquids *)
5	Liquid of the cold circuit	-	water, aqueous solution ethanol, ethylene glycol and other liquids *)
6	Fluid consumption of hot circuit nominal (minimum)	liters/hour	500 (50)
7	Fluid consumption of cold circuit nominal (minimum)	liters/hour	400 (50)
8	Cooling capacity (at nominal consumption, liquid enter temperatures at the hot circuit 25 °C, at cold circuit 25 °C.	Watt	Not less than 390
9	Overall dimension:	-	-
	- length, without connection branch (with connection branch)	mm	247 (270)
	- width	mm	204
	- depth	mm	79
10	Diameter of external connection branches of both circuits	mm	12
11	Weight	kg	5
12	Working temperature range	°C	- 10 ÷ +70
13	Thermal and electrical parameters tolerance	%	± 10
14	Dimension tolerance	mm	± 0,5

* Used liquid would not contain components able to create stratum or corrosion inside at the radiators rids (manufactured by aluminum alloy). Also, it should not boil or froze in all operating working temperature range of the assembly.

Drawing and Mounting cut-out



Dependence of the cooling capacity at different consumptions and temperatures of the liquid.

