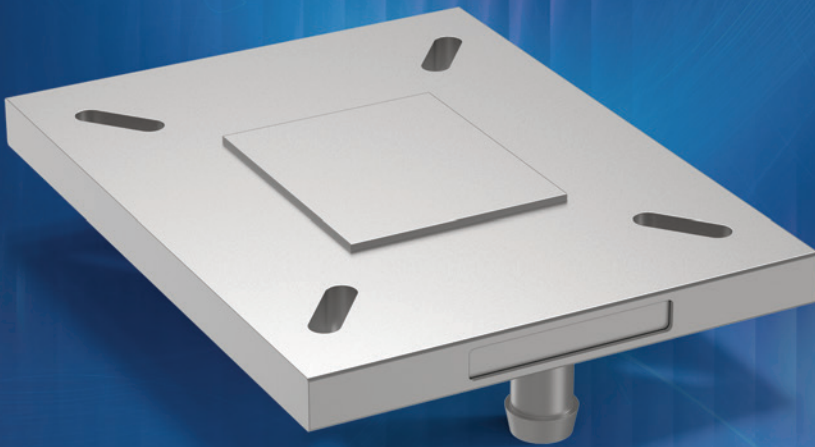


RAD1235 SEMI-CUSTOMIZABLE COLD PLATE

High Performance Cold Plate for Xilinx VP1902 Architecture



RAD1235 is a scalable, semi-customisable high-power cooling platform delivering up to 1.5kW heat dissipation. It is engineered for Xilinx VP1902 architecture with flexibility for broader device compatibility

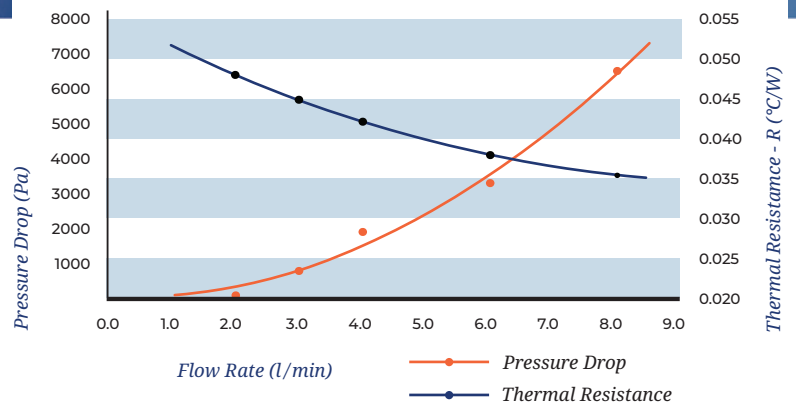
CONFIGURABLE FEATURES

- ✓ I/O Port dimensions
- ✓ I/O Port locations
- ✓ I/O connectors (Dripless Quick Disconnect couplings etc.)
- ✓ Pedestal width, length & height
- ✓ Addition of mounting hardware
- ✓ Option of Pre-application of required TIM
- ✓ Surface finish
- ✓ Mounting positions may be customizable dependent on the specific requirements

THERMAL PERFORMANCE SPECIFICATION				
Flowrate		R	ΔP	
l/min	Gal/min	$^{\circ}\text{C}/\text{W}$	Pa	PSI
2.0	0.5	0.048	100	0.01
3.0	0.8	0.045	800	0.12
4.0	1.1	0.042	1900	0.28
6.0	1.6	0.038	3300	0.48
8.0	2.1	0.035	6500	0.94

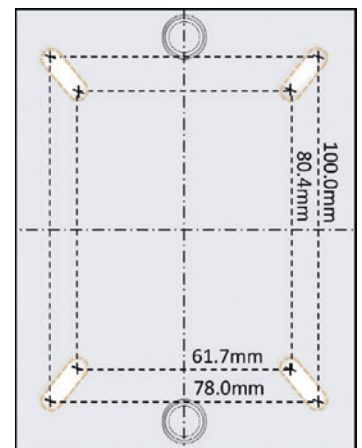
MECHANICAL SPECIFICATIONS			
Component	Material	Feature	Dimension mm
Plate	AA6063-T5 AA5052	Length	132
		Width	100
		Thickness	10
		Pedestal	53x44x1.3
I/O Ports	AA6063-T5 AA6061-T6	OD	$\varnothing 11$
		ID	$\varnothing 9$
		Length	18
		Nozzle	$\varnothing 13$

RAD1235 PERFORMANCE CHARACTERISTICS



MOUNTING SPECIFICATIONS

- ✓ Mounting slots for M4 screws
Cold plate can be supplied with fixings
- ✓ Mounting pitch
- Minimum 80.4 x 61.7 mm
- Maximum 100 x 78 mm
- ✓ 2D drawing & 3D STEP file available



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