

passive cooling block

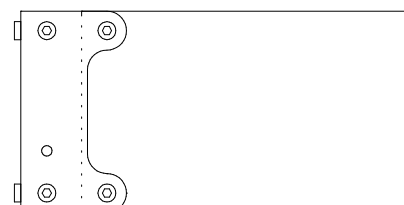
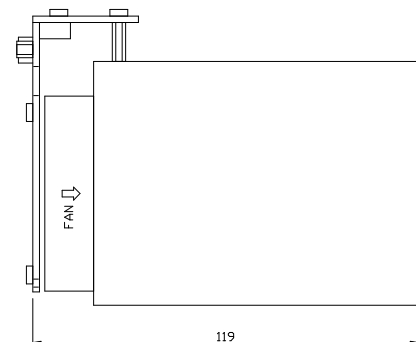
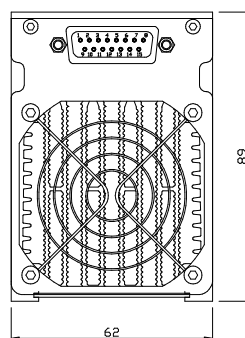
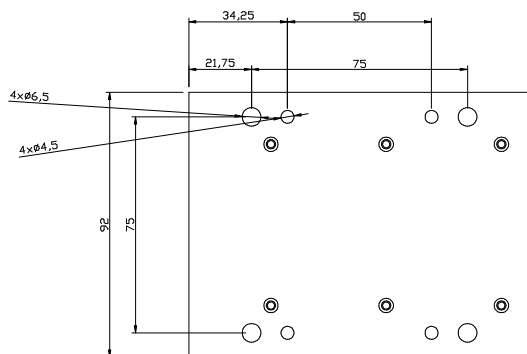
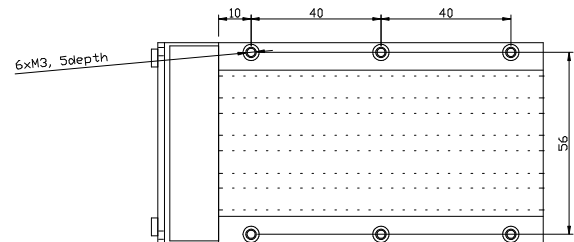
Type: hsp-50-6210-650

passive cooling block	Total cooling capacity of air cooled block 50W heat resistance: $R(th)=0.282\text{ K/W}$	
PinOut varies with the requirements of driver electronic and cooled device	Cooling block could handle typical power loss of laser diode in conjunction with air temperature:	
direct mounting of diode lasers or other devices to cooling block	Max. temperature of cooling block 35°C	Max. temperature of cooling block 40°C
mounting surface drilled as needed for choosen device	air temperature vs. capacity	air temperature vs. capacity
max. el. fan data: 12V / 0,9W	20°C - 53W	20°C - 70W
max. noise value: 24dB(A)	25°C - 35W	25°C - 53W
mounting area: 75mm x 60mm	30°C - 20W	30°C - 35W
optional: Base plate for heat sink temperature sensor: 10k NTC		



Abbildung 1: Picture shows a similar device. It may defer due to specific need.

Peltier Connector		
		Sub-D 15, male Type
PIN.No	Abbr.	Function
1		
2		
3		
4	LLED	Laser On LED
5		
6		
7,8		
9		
10		
11		
12	GND	Common Ground – N.C. To Screen
13	1..24V	1..24V Supply, max. 300mA supports fan
14,15		
	SCR	Common Screen



baseplate as an optional feature, 25mm grid for use with optical benches