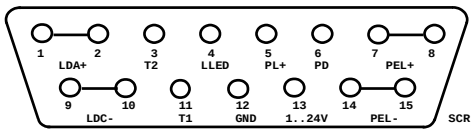
active cooling block

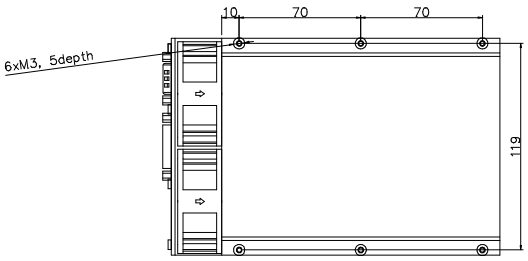
Type: hsa-80-1216-v0-652		
cooling block corresponding to OsTech laser-tec-driver pinout direct mounting of diode lasers to cooling block with integrated TEC modules Mounting plate prepared for mounting of device that has to be cooled el. fan data: 24V / 7,5W max. noise value: 45dB(A) max. TEC values:6A / 11V mounting area: 100mm x 140mm at maximum optional: Base plate for heat sink temperature sensor: 10k NTC	Cooling block could handle typical power loss of laser-diode in conjunction with laser temperature:	
	ambient temperature 25°C device temperature – cooling capacity 15°C – 70W 20°C – 85W 25°C – 95W 30°C – 105W	ambient temperature 35°C device temperature – cooling capacity 15°C – 65W 20°C – 70W 25°C – 75W 30°C – 85W

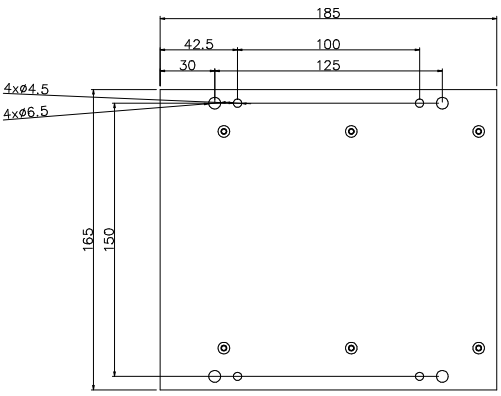


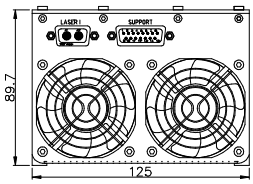
Picture shows a similar device. It may defer due to specific need.

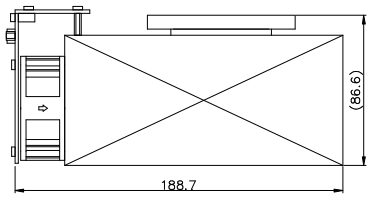
Type: hsa-80-1216-v0-652	
15p male connector	
	Sub-D 15, male Type

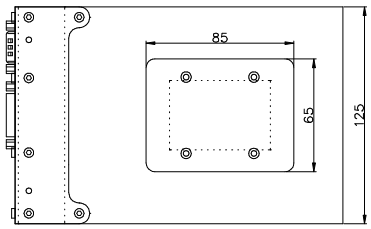
PIN.No	Abbr.	Function
1, 2	LDA+	Laser diode Anode (+), opt.
9, 10	LDC-	Laser diode Cathode (-), opt.
4	LEDA+	LED-Anode (+) ILED ca. 5mA (LEDC- Cathode at Pin GND)
5		
6		
7, 8	PEL+	TEC (+)
14, 15	PEL-	TEC (-)
3	TEMP2	Optional: Temperature Sensor 2
11	TEMP1	Temperature sensor 1; NTC 10kW@25°C (standard)
12	GND	Common Ground - n.c. to screen !
13	+24V	1.2V..24V Supply for fan (ref to GND) adjust with ('GF' or 'GFD' command)











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

Selection of standard device configurations:

Type	Device name	Max. heat loss	Laser assembled
338	hsa-80-1216-v0-652-338	80W	Reallight 35W
349	hsa-80-1216-v0-652-349	80W	JOLD-30-FC
372	hsa-80-1216-v0-652-372	80W	JOLD-30-FCM
604	hsa-80-1216-v0-652-604	80W	LuOcean Mini
574	hsa-80-1216-v0-652-574	80W	LuOcean Mini dual wavelength
634	hsa-80-1216-v0-652-634	80W	18.5mm x 13.9mm mounting pitch single bar CCP up to 40A