

HSA- series of thermoelectric coolers

Thermoelectric coolers are well suited for cooling of diode lasers, especially for stabilize temperature at the laser diode.

Ostechs HSA- series could handle up to 110W(170W) of heat-loss for instance from laser diodes. Cooling capacity is given for 25°C air temperature. It strongly depends on environmental behaviour.

Mounting plate and pattern depends on device tempered. We offer some standards for often used laser modules.

Only high reliable components were used for cooler assemblies.



Profile: 62mm x 100mm x 74mm	Profile: 125mm x 160mm x 74mm	Profile: 160mm x 160mm x 85mm
Max. heat loss: 38W	Max. heat loss: 80W	Max. heat loss: 110W
Fan voltage: 12V/24V	Fan voltage: 24V	Fan voltage: 24V

Selection of some standard device configurations:

Type	Device name	Max. heat loss	Laser assembled
195	HSA25-062100-F04-B01-M01-D01-S1-195	25W	10W, TO-220 / TO-258
306	HSA38-062100-F04-B01-M01-D07-S1-195-306	38W	Oclaro 25W and similar
338	HSA80-125160-F01-B02-M05-D02-S0-338	80W	Reallight 35W
349	HSA80-125160-F02-B02-M02-D02-S0-349	80W	JOLD-30-FC
372	HSA80-125160-F03-B10-M06-D02-S2-372	80W	JOLD-30-FCM
604	HSA80-125160-F012-B02-M07-D06-S1-404-604	80W	LuOcean Mini
410	HSA110-160160-F08-B04-M09-D05-S0-410	110W	JOLD-75-FC
574	HSA80-125160-F11-B02-M07-D06-S1-404-574	80W	LuOcean Mini dual wavelength