ATC - SEMICONDUCTOR DEVICES

Scheme of the laser systems building

Laser diode drivers and temperature controllers

LDD-10
It is intended for laser diode power supply and it's temperature stabilization by Peltier thermocooler.

LDD-10
with additional thermostabilization circuit.

LDD-10M
It is intended for fiber coupled laser modules power supply and it's temperature stabilization by Peltier thermocooler.

Cooling heads

ATC-02H
Compatible with laser diodes packaged into TO-3 package.
It is passive radiator.

ATC-03H
Compatible with laser diodes packaged into ATC package.It is active radiator. This head ensures safe use of laser diodes with CW output optical power up to 4 Watt and more.

Laser head for diode pumped solid state laser
wavelength 532 nm, output optical power - 250 mW, 350 mW

Passive radiator
for fiber coupled laser modules

Laser diodes (LD)
500mW…4W CW
790…820 and 940…1064 nm

TO-3 package
Includes Peltier termocooler and termistor. Using for LD's with output optical power up to 1,5W CW

ATC package
This package remove heat from laser diode effectively It is intend for LD's with CW output optical power up to 4 Watt and more.

Cylindrical microlens
reduces the radiation divergence in one plane.

Feedback photodiode
It is intended for LD's output optical power control.

Accessories

ATC-5032
Focusing optic with three-lens objective.

Fiber couple
Fiber core diameter 200 and 600 micron. Folding design with SMA optical connector.

Fiber coupled laser modules
Wavelength 803…813 and 960…980 nm

ATC-S4-F200
Output optical power- 4 W CW.
Fiber core diameter- 200 micron.

ATC-S8-F200
Output optical power- 8 W CW.
Fiber core diameter- 200 micron.

ATC-S6-F400
Output optical power- 6 W CW.
Fiber core diameter- 400 micron.

ATC-S8-F600
Output optical power- 8 W CW.
Fiber core diameter- 600 micron.

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