

Clocklaser

ECDL and stabilization

Lasersystem downstairs

Taperea Amplifier (upstairs)

Typical power values

- Seedpower: min 10 mW
- Outputpower: 800 mW @ 2.2 A
- Max outputpower related to the datasheet: 1.5 W @ 3 A

The system was build by Sina Malobabic and is described in her diplomathesis.

- EYP-TPA-0915-01500-3006-CMT03-0000

SHG:

Typical power values

- Outputower: ~ 120 mW
- Power transfered through the fiber: 20 mW
- Power behind the lattice mirror: ~7 - 8 mW

SHG Photodiode is saturated for full Inputpower.

- SHG beamprofil has some additional "spots" on one side
- SHG beam direction of the blue beam changes with the Inputpower → Adjust at maximal power.

From:
<https://iqwiki.iqo.uni-hannover.de/> - IQwiki

Permanent link:
<https://iqwiki.iqo.uni-hannover.de/doku.php?id=groups:mg:experiment:laser:clocklaser&rev=1433338269>

Last update: 2015/06/03 13:31

