

DQ-1570-50/30 Nd:YAG laser datasheet

Description

DQ-1570-50/30 is diode-pumped solid-state laser, namely OPO-shifted Nd:YAG laser.

Laser operates in q-switched mode. Maximal pulse energy is 50mJ, maximal repetition rate is 30Hz.

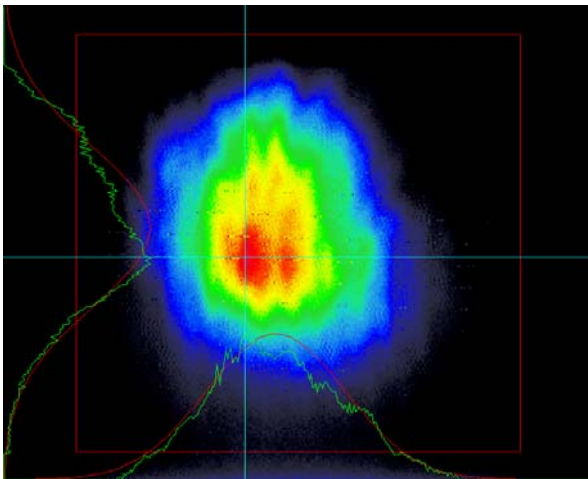
The main feature of the laser is water-free design. Resulting advantages are easy maintenance and extended temperature range of operations. The other feature is a compact design and low weight.

Features

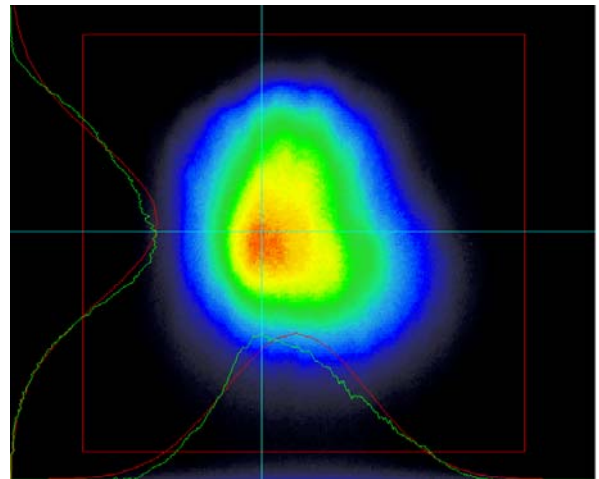
- Eye-safe lasing wavelength
- Compact dimensions, low weight
- No water inside, wide temperature range of operation, maintenance free

Specification

Parameter	Specification
Wavelength	1570 nm
Repetition rates	up to 30 Hz
Pulse energy	up to 50 mJ
Pulse width	2 – 10 ns
Secondary pulses	no secondary pulses
Lasing mode	multimode
Full beam divergence	less than 8 mrad
Beam diameter	5 mm
Cooling method	forced air cooling
Weight	6 kg

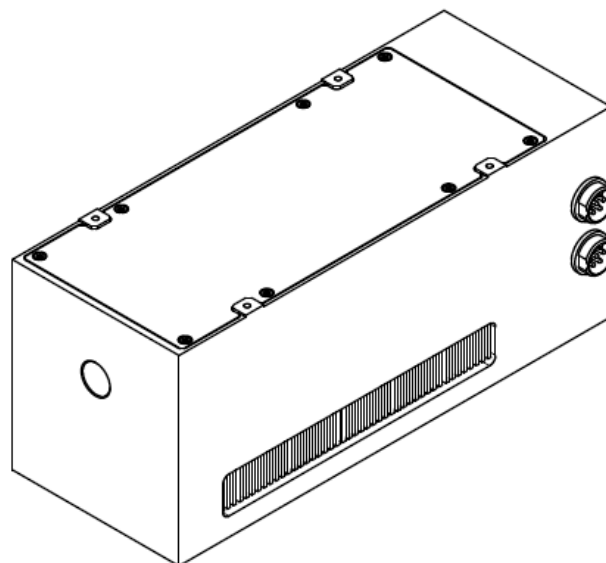
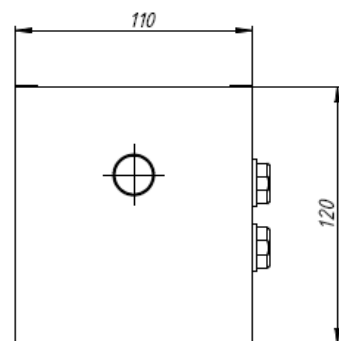
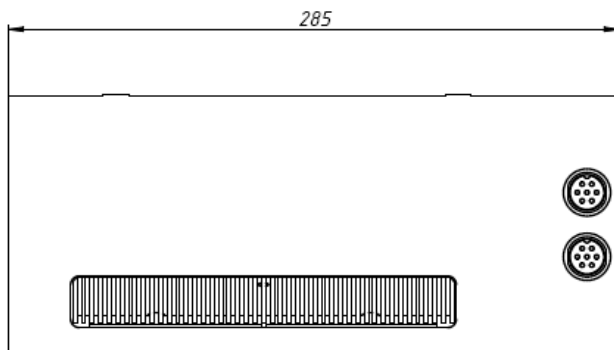


Exemplary



Averaged

Laser head (appearance and dimensions)



Power supply and control unit dimensions

