

Crystaltechno Ltd. offers

Diode pumped Nd:YAG laser LH-106 DP 20-50

- Q-switched Nd:YAG diode pumped laser head, TEC controlled temperature
- Built –in 10^x beam expander
- Not liquid cooling
- Application – laser target designators, laser rangefinders

LH-106 DP 20-50

Laser head specification

Operating laser wavelength – 1064nm
Laser energy per pulse – 100mJ
Laser pulse duration – 10nsec
Laser beam divergence with 10^x beam expander – 0.45 mRad.
Laser Pulse repetition rate – up to 50 Hz.
Time of continuous operation is limited – 20Hz: 2 min
- 50Hz: 40sec

Supply voltage - 22...32V DC.
Dimensions – 56x75x176 mm. (without beam expander)
Operating temperature range - -40°C...+60°C
Vibration and shock resistance

Power supply and control unit

The unit contains:

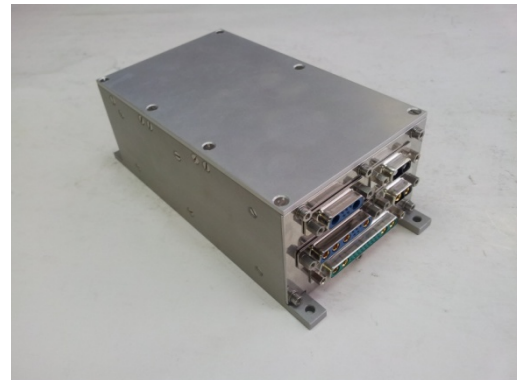
- diode array driver
- diode array driver power supply
- TEC driver
- 400Hz fan driver
- fan driver power supply
- controller
- Q-switcher driver

Power supply and control unit specification

Supply voltage – 22...32V DC
Interface – RS 422 (analog signals control is provided)
Dimensions – 70x100x200 mm.
Operating temperature range - -40°C...+60°C
Vibration and shock resistance



Laser head



Power supply and control unit