

Introducing unique DIODE-PUMPED CW SOLID-STATE LASERS

MONOPOWER Series



CW: blue green red infrared

- novel proprietary design for SINGLE MODE OPERATION
- very low noise <0.5%
- powers from 10 mW to 10 W

MONOPOWER-532-100-SM

Diode-pumped frequency-doubled CW laser

Wavelength: 532 nm

Beam profile: TEM₀₀

M² 1.1

Single longitudinal frequency

Coherence length: approx. 300 m

Output power: min. 90 mW, typ. 100 mW

Noise: < 0.3% (10 Hz - 1 GHz)

Beam diameter (1/e²): 0.34 mm

Beam divergence: < 2.2 mrad

Warm-up time: min. 3, typ. 8 minutes

Power consumption: < 35 W

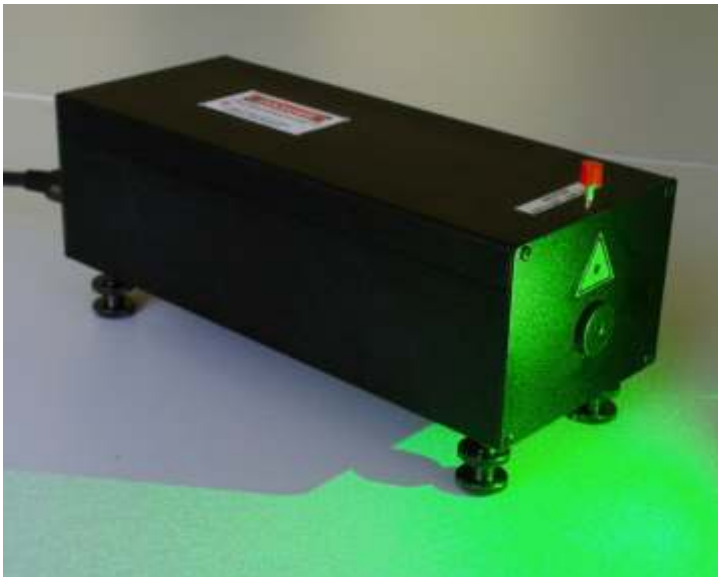
Polarization ratio: better 1:200, vertical

Pointing stability: < 5 μrad/°C

Laser head dimensions:

stand alone: 250x105x80 mm³

cool through base plate: 120x65x60 mm³



MONOPOWER-532-5W-MM

Diode-pumped frequency-doubled CW laser

Wavelength: 532 nm

Beam profile: TEM₀₀

M² 1.2

Multiple longitudinal modes

Output power: min. 5 W, typ. 5.5 W

Noise: < 0.5% (10 Hz - 1 GHz)

Beam diameter (1/e²): 0.8 mm

Beam divergence: < 3 mrad

Power consumption: < 600 W

Polarization ratio: better 1:200, vertical

Pointing stability: < 8 μrad/°C

Laser head dimensions: 350x105x80 mm³

Pump module: LDF-30