



ALPHALAS

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

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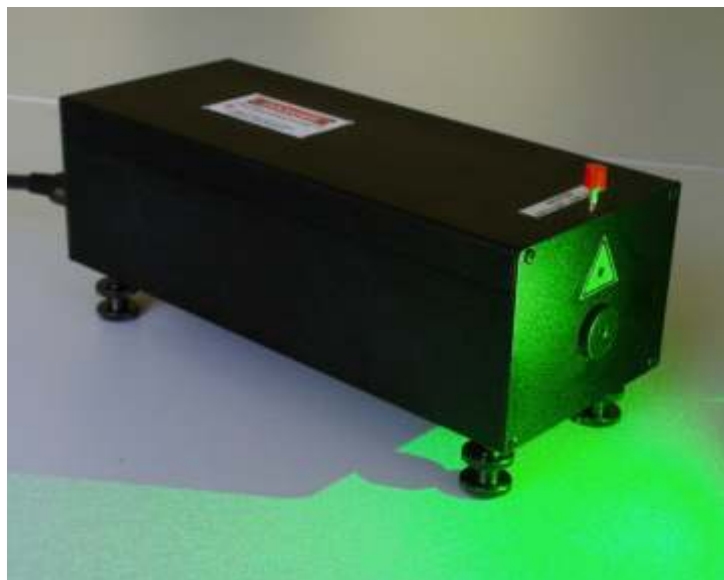
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MONOPOWER-532-100-SM

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