

Datasheet Coherent Duo FAP



The Duo FAP System is a complete stand-alone pump source for applications like high power solid-state laser pumping, medical and scientific research and optical pumping for enhanced-MRI and NMR-spectroscopy. The system is air cooled and allows easy diode replacement with two field replaceable FAP-I modules. An independent diode laser current control and temperature control are included. The FAP is rack-mountable and can be controlled by the removable front panel user interface or RS232. Multiple Duo FAPs can be connected in series.

Specifications

CW Output Power	2 x 30 W
Wavelength	808 nm
Spectral Width	< 3nm
Beam Divergence	< 0.20 N.A.

Laser Diode Control

Operating Temperature	0°C ... 35°C
Temperature Stability	±0.5°C
Operating Modes	CW, Single Shot, Repetitively Pulsed, External Analog Input
Operating Current	< 60A
Puls Rise / Fall Time	< 60 µS

System Specifications

Input Devices	Front Panel Keyboard, RS-232, Analog Voltage, External Trigger
Operating Temperature	0°C ... 40°C

Other wavelength and other powers available on request.
Current diodes only have some ten test hours.