

## Datasheet Coherent Single FAP



The FAP-System is a complete diode system for applications like heating, marking, material processing and pumping solid state laser material. The system is air cooled, rack-mountable and allows easy diode replacement. A turn-key system and a laser diode temperature control are included features. With control over the operating temperature of the laser diode, as well as current and pulse width, the FAP-System offers flexibility and an easy to use interface.

### **Specifications**

Optical Output	30 W
Wavelength	808 nm
Beam Diameter	800 $\mu$ m
<b>Laser Diode Control</b>	
Operating Temperature	0°C ... 35°C
Temperature Stability	$\pm 0.5^\circ$ C
Operating Modes	CW, Single Shot, Repetitively Pulsed, External Analog Input
Operating Current	< 60A
Puls Rise / Fall Time	< 60 $\mu$ S
<b>System Specifications</b>	
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 diode only has some ten test hours.