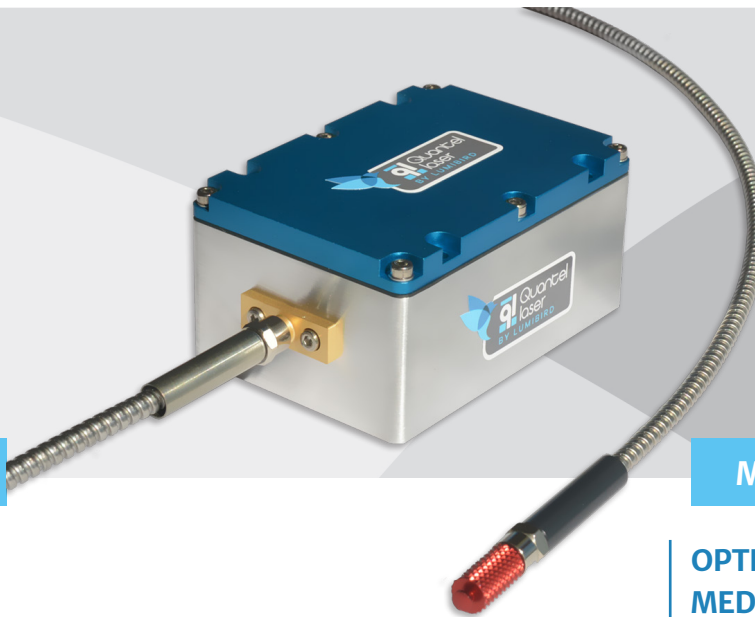


# APF series

## Fiber coupled QCW diode stack



### MAIN FEATURES

- Compact
- High peak power
- High coupling efficiency
- Field replaceable fiber
- Conductive cooling
- Qualified for defense and space applications
- Shock and vibration resistant

### MAIN APPLICATIONS

**OPTICAL PUMPING**  
**MEDICAL**  
**INDUSTRIAL**

### SPECIFICATIONS

	APF10	APF08	APF06
Pulse width (µs)	< 250		
Pulse repetition rate (Hz)	see fig.1		
Duty cycle (%)	< 2		
Output optical power (W)	up to 600	up to 500	up to 300
Operating current (A) <sup>1</sup>	< 100 typical		
Operating voltage (V)	< 12		< 10
Efficiency (%)	≥ 45	≥ 40	≥ 40
Wavelength at 25°C (nm) <sup>2</sup>	808, 915, 940 or 980 (+/-10 nm)		
Spectral width (nm)	5		
Cooling	conduction		
Connector	SMA 905		
Output optical fiber core (mm)	1	0.8	0.6
Output fiber numerical aperture	0.22		
Dimensions (H x L x W) in mm [inches]	38.5 x 80 x 56 [1.5 x 3.15 x 2.2]		

<sup>1</sup> Final value is provided with test data

<sup>2</sup> Variation of wavelength with temperature is approximately 0.3 nm / °C

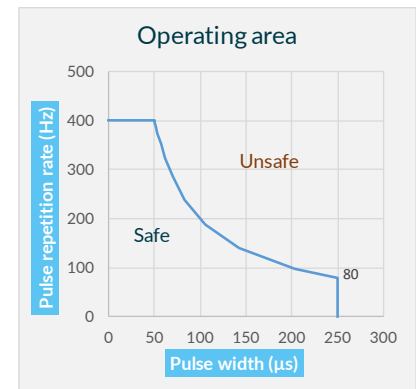


Figure 1

[www.quantel-laser.com](http://www.quantel-laser.com)

Many options and configurations are available. Please contact Lumibird to find the best match for your needs and compatibility between options.



Lumibird has locations across the globe that are available to provide support for any product, service or inquiry. Visit [www.lumibird.com](http://www.lumibird.com) to connect with any of our global sites.

