

power.

Power boost for all wavelengths



ALS-IR Fiber Lasers & Amplifiers

Single frequency CW for your power hungry application

- High power up to 130 W
- Active noise reduction system
- Turnkey, maintenance free, reliable systems

learn more...



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ALS-IR



DANGER – AVOID EXPOSING EYES AND SKIN TO THE LASER BEAM, INCLUDING ANY STRAY LASER LIGHT. CLASS 3B LASER PRODUCT, EN 60825-1:2014

Specifications						
Wavelength [nm]	976	1012 ..1028	1028 ..1070	1070 ..1085	1085 ..1120	1535 ..1570
Output power	Up to 10 W	Up to 25 W	Up to 130W	Up to 50 W	Up to 10 W	Up to 10 W
Single frequency compatible	yes					
Input connection	FC/APC					
Min. input power	> 10 mW	> 30 mW	> 10 mW	> 10 mW	> 10 mW	> 10 mW
Spatial mode	TEM ₀₀					
Beam quality	M ² < 1.1					
Beam diameter « free space »	1.0 ± 0.2 mm					
Long term power stability (CP mode of operation)	< ± 0.5 %					
Noise [100Hz .. 10MHz]	< 0.01 % RMS					
Pointing stability	< +/-2 µrad/°C					
Output polarization	Vertically polarized > 300 : 1					
Output power tunability	1 to 100 % (10 to 100 % recommended)					
Laser control	Multi-turn potentiometer, touch screen, analog voltage, remote control interface					

