



CoNL SERIES

CoNL-2000-MHz-B-LP

Features:

- MHz linewidth single frequency output
- Low relative intensity noise
- High frequency stability
- Linear polarized output, high PER
- Various wavelengths are available

Applications:

- Atomic cooling and trapping
- Coherent and spectral combination
- Frequency doubling
- LIDAR or sensing
- Test and measurement
- Other scientific research

2.0um Band MHz Narrow Linewidth Fiber Laser

Connet 2.0um Band MHz Narrow Linewidth CW Fiber Laser adopts MOPA structure design, built-in with MHz level narrow linewidth seed laser such as DFB and DBR, realizes high power output through optimized design of cascaded fiber amplifiers. Connet has unique suppression technique on fiber nonlinear effects such as stimulated Brillouin scattering (SBS) while ensuring high power output.

Connet 2.0um Band MHz Narrow CW Linewidth Fiber Laser adopts integrated desktop design. The important technical parameters are displayed on the LCD front panel. The output power is adjustable and easy to operate. It is suitable for laboratory applications. OEM modular products can be provided according to actual needs, which is convenient for users' system integration.

Specifications:

Parameter	Unit	Specification		
		Min	Typ	Max
Part number		CoNL-2000-MHz-B-LP		
Center wavelength	nm	1908,1940,1950,2004,2050		
Output power	mW	0.5	-	100
Operating mode		CW		
Output beam quality	M ²	<1.05		
Linewidth	MHz	1	3	10
SMSR	dB	30	40	-
Output polarization		Linear		
PER	dB	20	-	-
Output power stability	%	-	±0.5	±1.0
Wavelength tunable range	nm	-	0.3	1
Output isolation	dB	35	-	-
Output power tunable range	%	10		100
Operating temperature	℃	10	-	50
Storage temperature	℃	-40	-	85
Power supply	VAC	100-240V 50-60Hz		
Main output fiber		PMF		
Main output fiber length	m	> 0.5		
Main output fiber connector		FC/APC or Collimator		
Seed laser monitor output fiber		PMF (optional)		
Fiber length	m	> 0.5		
Fiber connector		FC/APC		
Dimension		19"2U		

Ordering information:

• CoNL-XXXX-MHz-B-YYYY-FA/Col-LP

XXXX: Operating wavelength

YYYY: Output power in milliwatt.

FA: FC/APC

Col: Collimator (output beam diameter and divergence angle please contact us)



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