Ultra-Narrow-Linewidth (1 kHz) Single-Frequency Fiber Laser

Light Sources

This single-frequency fiber laser provides narrow-linewidth output for coherent optical measurement. Compare linewidth, output power and polarization characteristics.



Technical specifications

Center wavelength range (nm)	1540 to 1560 Optional
Spectral linewidth (kHz)	1
Output power (mW)	20
Signal-to-noise ratio (dB)	>60
Polarization extinction ratio (dB)	>25
Frequency instability	<20 MHz (15min) / <100 MHz (Long-term)
Relative intensity noise @>1 MHz	<-140 dB/Hz@1 MHz
Phase noise (dB)	<-130