

IXC-CLFO-LN-1550

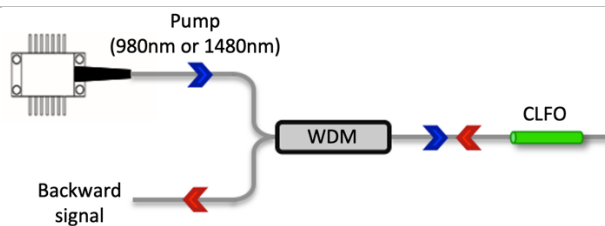
Single frequency DFB laser sub-assembly

TECHNICAL SPECIFICATIONS

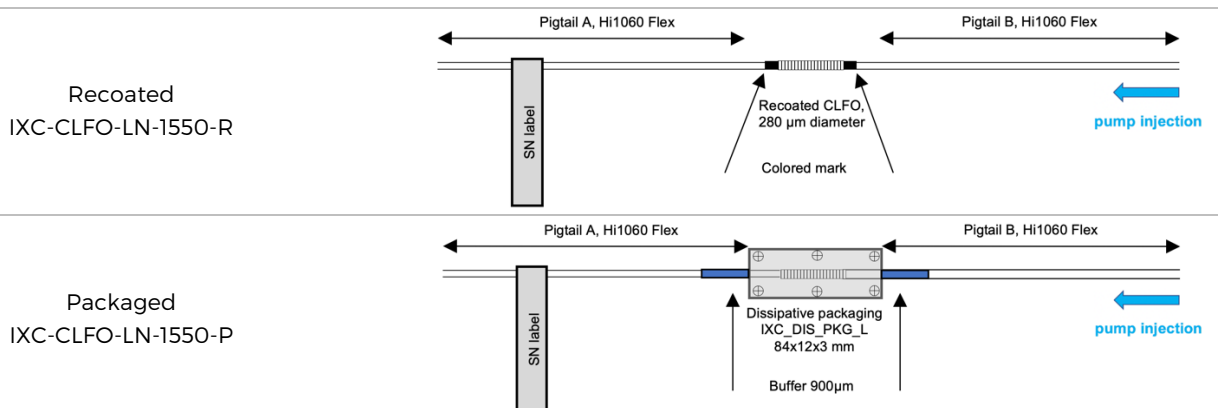
Parameters (at 100 mW pump power, backward configuration)

iXblue part number	IXC-CLFO-LN-1550
Signal wavelength (ref. to vacuum)	1550 +/- 0.5 nm (other upon request) at 23°C
Pump wavelength	1480 nm (980 nm also acceptable)
Laser threshold	< 10 mW
Laser power	> 10 μW
PER (linear polarization)	> 20 dB
Linewidth	< 10 kHz, typical
RIN peak value	< -60 dB/Hz
Relaxation frequency	> 100 kHz
Frequency noise	< 30 Hz/√Hz
Signal to Noise Ratio	> 50 dB (res. 50 pm)
Cavity length	35 to 55 mm
Thermal sensitivity	10 pm/°C, without packaging
Pigtail fiber type and length	Hi1060 Flex, 1 m

Pump configuration



CLFO configuration



Comments:

Specifications are subject to change without notice

IXC-CLFO-LN-1550_10032021
PSD-L-Q-E-086K