

IXC-CLFO-HP-1550

Single frequency DFB laser sub-assembly

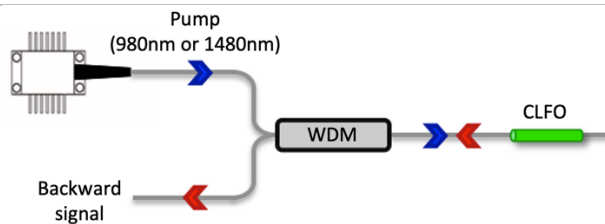
TECHNICAL SPECIFICATIONS

Parameters (at 100 mW pump power, backward configuration)

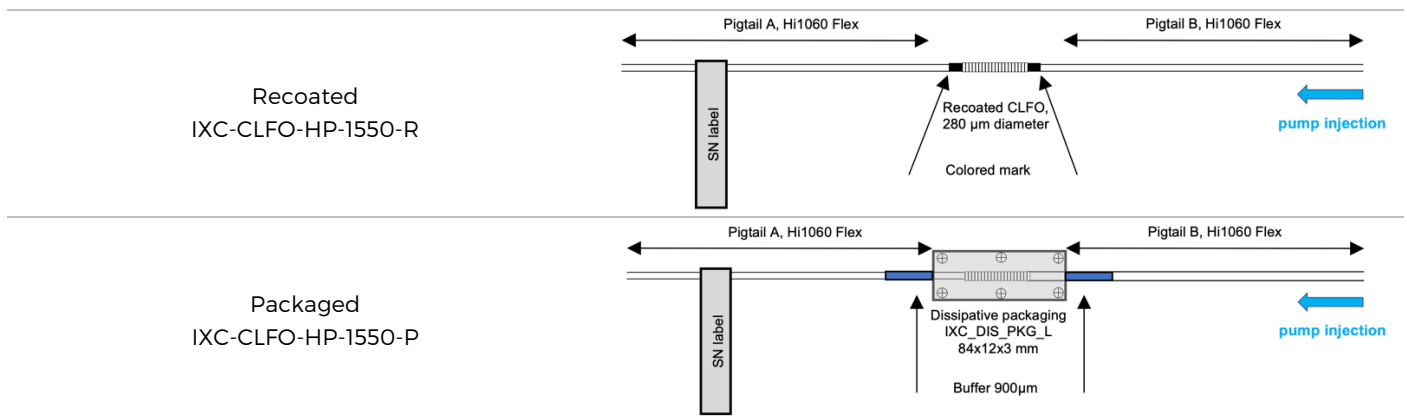
iXblue part number	IXC-CLFO-HP-1550
Signal wavelength (ref. to vacuum)	1550 +/- 0.5 nm (other upon request) at 23°C
Pump wavelength	980 nm
Laser threshold	< 10 mW
Laser power ¹	> 1 mW
PER (linear polarization)	> 20 dB
Linewidth	< 100 kHz, typical
RIN peak value	< -100 dB/Hz
Relaxation frequency range	1 MHz
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

¹with thermal dissipation or dissipative packaging (IXC-DIS-PKG-L proposed)

Pump configuration



CLFO configuration



Comments:

Specifications are subject to change without notice

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