

FYLA LFC Specifications

Total Power >100 mW

Fundamental
Pulsewidth <3 ps

Spectral Range 1535 nm

Repetition Rate 1 GHz (up to 2.5 GHz under request)

Full Spectrum
Power Stability <0,2 % (std. dev.)

Output
Polarization N/A

Output Fiber /
Length 0.2 m - Custom On Demand

Optical Output FC/APC connector / collimated output

Synchronization
/ Connections Trigger Output - Optical Signal 1GHz

M2 Parameter <1.1

Cooling Integrated Peltier + air cooling



FYLA LFC Specifications

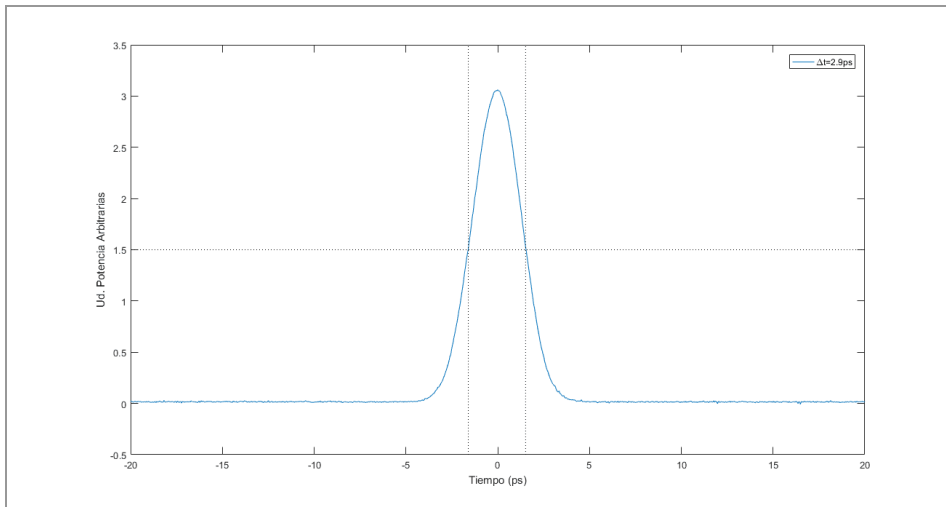
Power Requirements	220 V / 110V - 50/60 Hz
Display	N/A
Displayed Parameters (Controlled)	N/A
Control Modes	Mode Manual/Remote (USB Port)
Operating Temperatures	20 - 30 °C
Storage Temperature	0 - 60 °C
Dimensions (mm)	408 x 198 x 122
Optical Spectral Stability (1h)	<0,5 dB (Maximum deviation for any wavelength within FWHM band)
Amplitude Pk-to-Pk Stability (4h)	<0,2 % (std. dev.)
Phase Noise	<-110dBx/Hz @ 10MHz offset
Time Jitter	<24 fs @ 10MHz offset
Security	This product is a Class 3 laser - Appropriate safety measures according to such laser class should be taken in its installation and use

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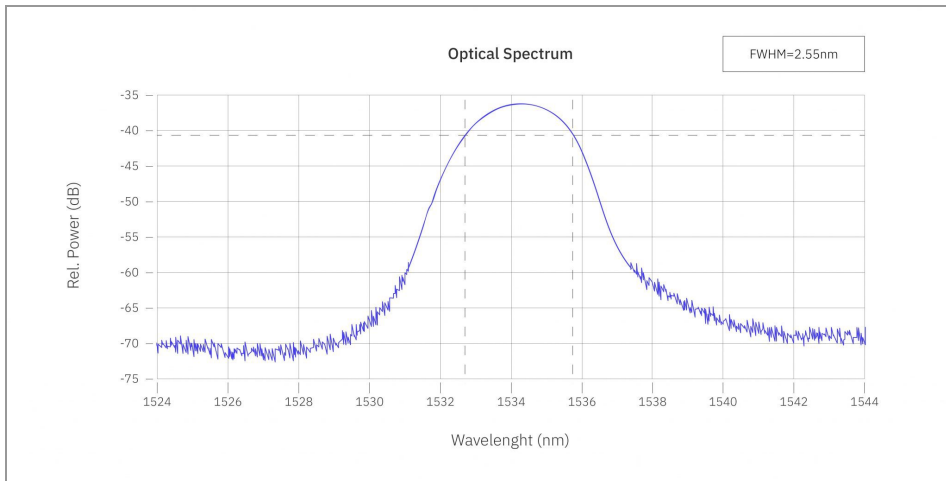
SPECTRAL
PROFILE AND
OTHER
DETAILED
SPECS

UNDER REQUEST

Specifications are subject to change without notice*



AUTOCORRELATION TRACE

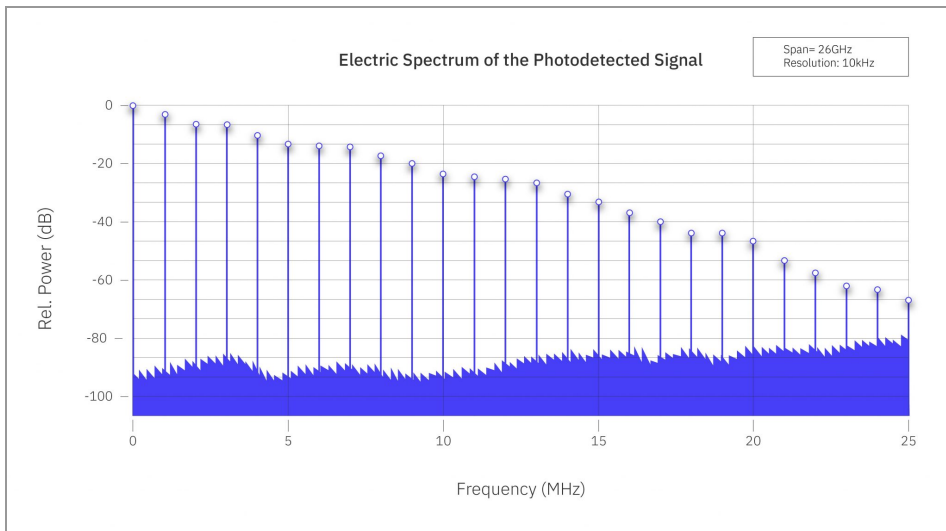


OPTICAL SPECTRUM

Oscillator

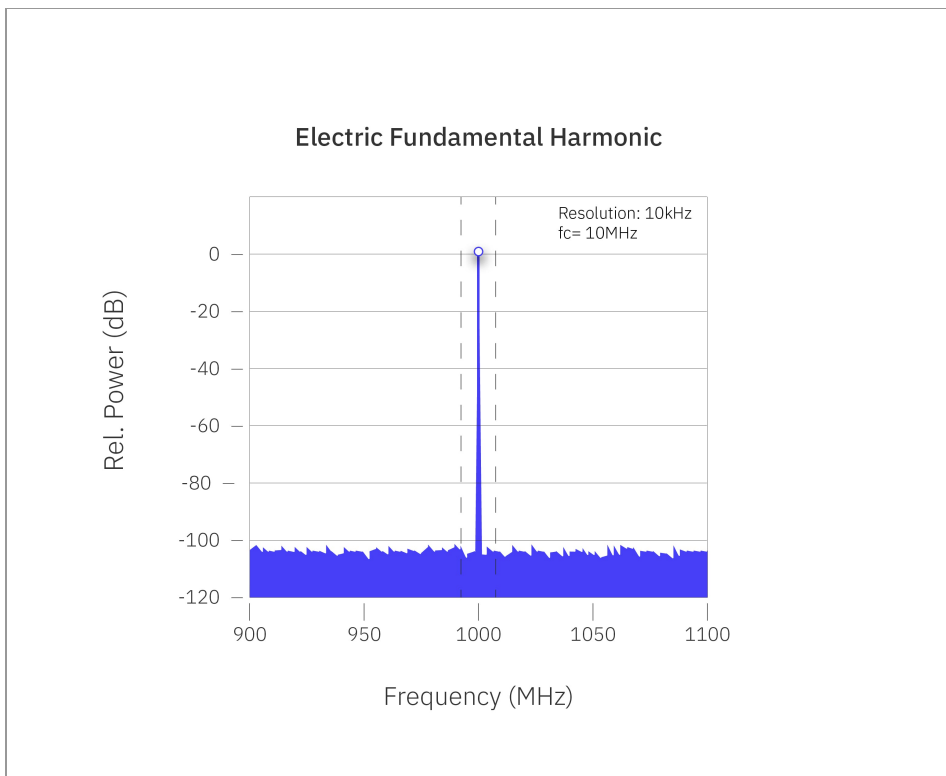
ELECTRIC SPECTRUM

Photodetected signal



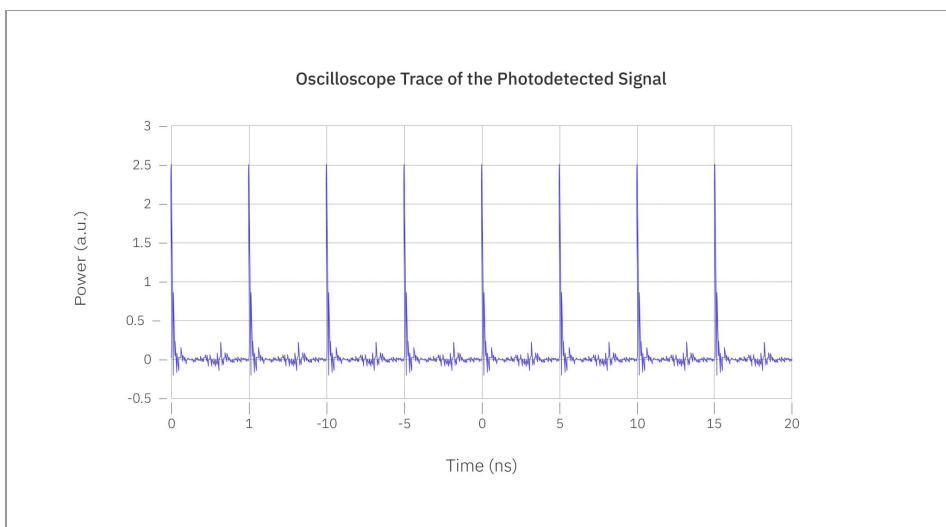
ELECTRIC FUNDAMENTAL HARMONIC

Phase Noise (db/Hc) / Temporal
Jitter (fs)@ 10 MHz: <-110 / 24
@ 10 KHZ : <-90 / 50 @ 1 KHZ :
<-70 / 670

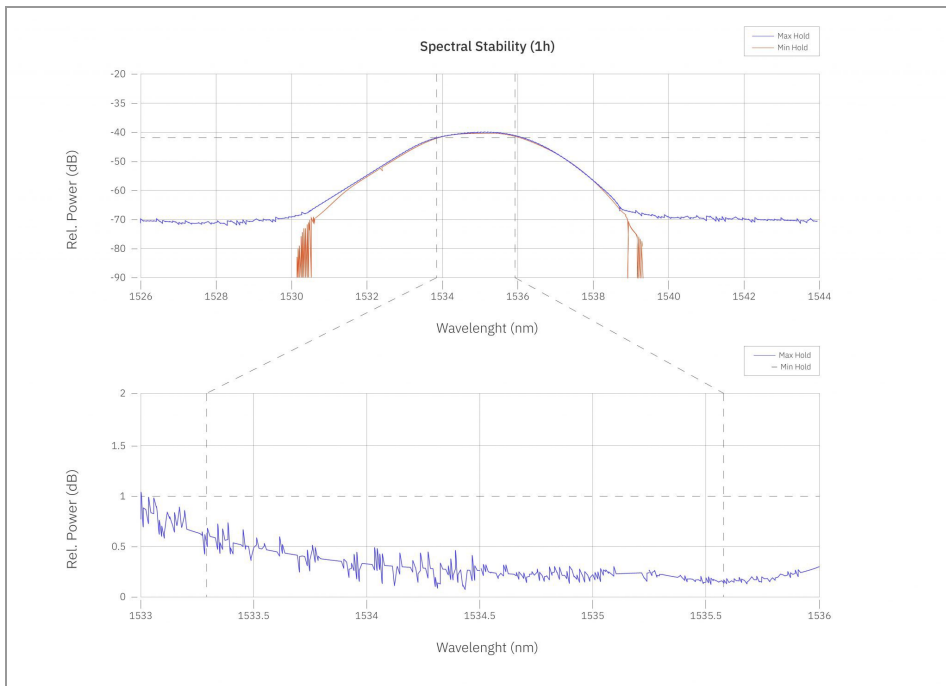


OSCILLOSCOPE TRACE

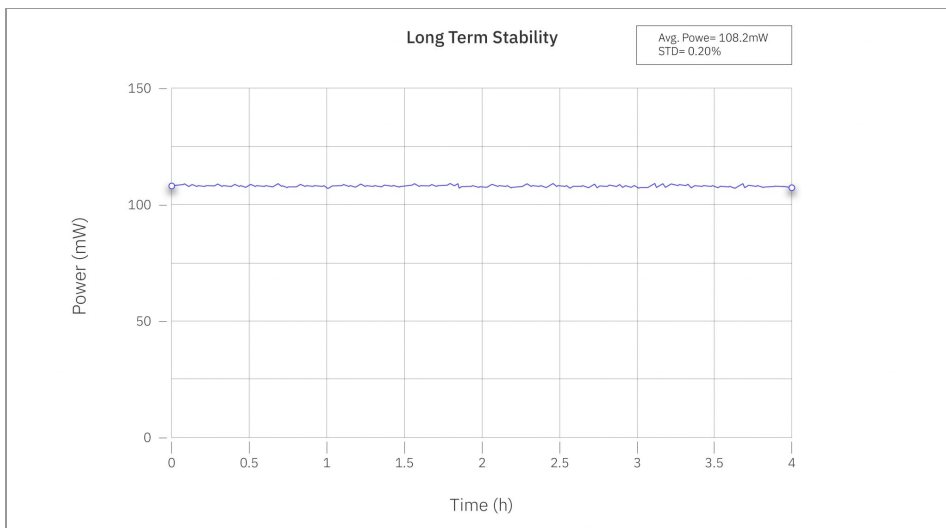
Photodetected signal



SPECTRAL STABILITY



LONG TERM STABILITY



4 Hours