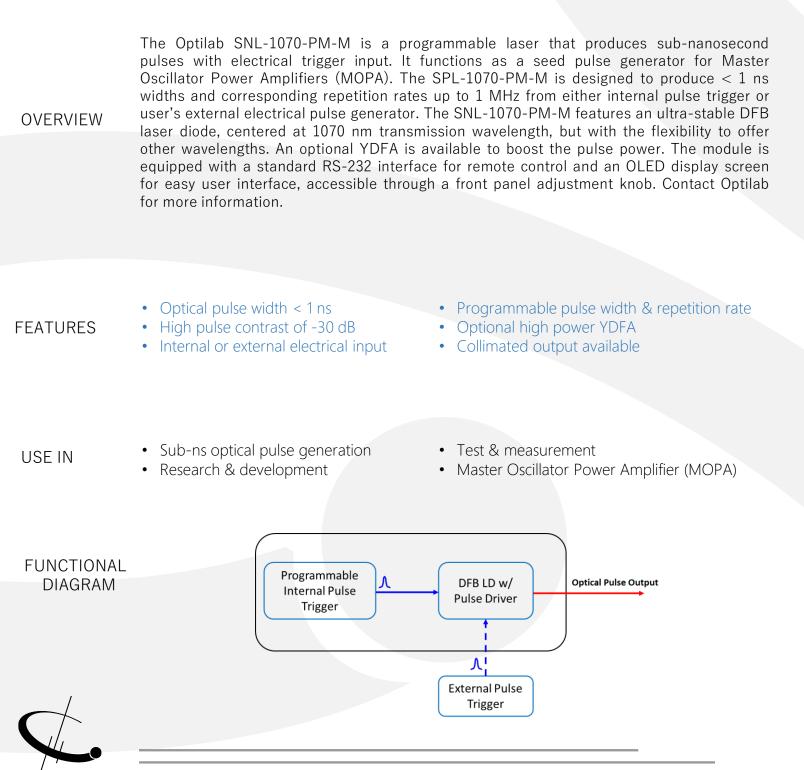


DEVICE 1070 nm Sub-Nanosecond Laser, Module, PM



otilob



SNL-1070-PM-M

SPECIFICATIONS

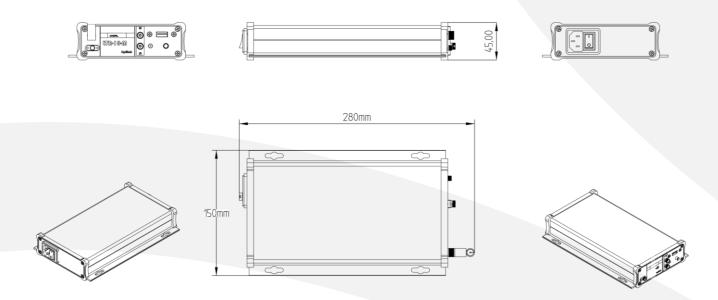
OPTICAL	Laser Type	Fabry Perot
	Wavelength	1070 ± 2 nm
	Pulse Width	< 1 ns
	Pulse Repetition Rate	1 Hz to 1 MHz, programmable
	Pulse Contrast	-30 dB
	Peak Power Output (no EDFA)	> 100 mW
	Energy per Pulse	Up to 1uJ w/ YDFA, at 50 KHz
	Jitter Relative to RF Reference	10 rms max.
	Pulse Amplitude Variation	1% rms max.
	Amplitude Stability (short term)	< 1%
	Input Level	> 3 V peak to peak
EXTERNAL TRIGGER INPUT	Pulse Repetition Rate	<1 MHz
	Minimal Pulse Width	10 ns
	Maximum Pulse Width	0.8*pulse spacing
	Electrical Connector	AMA
	Operating Temperature	0°C to +50°C
	Storage Temperature	-40°C to +70°C
	Humidity	10% to 90%
	Power Supply	110 - 220 V AC, 50 or 60 Hz
	Display	Internal trigger setting
MECHANICAL	Controls	Front Panel / USB .
	Communication Interface	RS-232 interface
	Dimensions	280 mm x 150 mm x 45 mm
	Optical Connector	SMF-28 FC/APC or user option
	Optical Fiber	PANDA Fiber PM
	Electrical Connector	SMA Female



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MECHNICAL DRAWING (Panel difference may apply)



OPTICAL PULSE OUT

The SNL-1070-PM-M has a linear translation from electrical to optical pulses with a 1:1 ratio. The electrical and optical pulses look nearly identical. The following picture shows a typical optical pulse with 750 ps pulse width.

