

# SLP-1062 SUPERCONTINUUM LASER

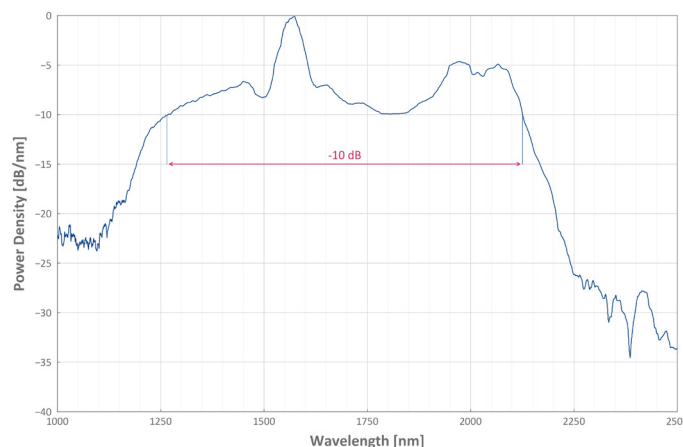


## Ultrawide bandwidth, low noise laser



Designed for both stationary and mobile applications, the **SLP-1062** is the industry's first portable and maintenance-free high-power wideband laser. It generates unprecedented spectral range at the -10 dB range with femtosecond compressed pulse durations all on a chip.

Utilizing PAD - Patterned Alternating Dispersion™ technology, the SLP-1062 achieves world-record coherent wide bandwidth, overcoming the narrow spectrum limitations of tunable lasers.



### KEY FEATURES

- PIC-based supercontinuum generation
- PAD - Patterned Alternating Dispersion™
- Wide, smooth, and low noise spectral output (SWIR)
- Short start-up time
- No need for calibration, high uptime, maintenance-free

### Technical Specifications

<b>Spectral Bandwidth</b>	1000 nm at -10 dB
<b>Average Output Power</b>	20 mW
<b>RIN</b>	$10^{-12}$ dB/Hz
<b>Repetition Rate</b>	100 MHz
<b>Pulse Energy</b>	160 pJ
<b>Total Power Stability</b>	0.5 %
<b>Output</b>	Fiber-Coupled
<b>Output Connector</b>	FC/PC
<b>Power Supply (DC)</b>	12 VDC
<b>Current</b>	1.5 A
<b>Current at Warm-up</b>	5 A
<b>Power Consumption</b>	15 W
<b>Warm-up Time</b>	< 60 s
<b>Operating Temperature</b>	20 °C   68 °F
<b>Dimensions (WxHxL)</b>	174 x 96 x 54 mm <sup>3</sup>
<b>Laser Head Weight</b>	1.5 kg   52 oz
<b>Laser safety</b>	Class IIIB

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