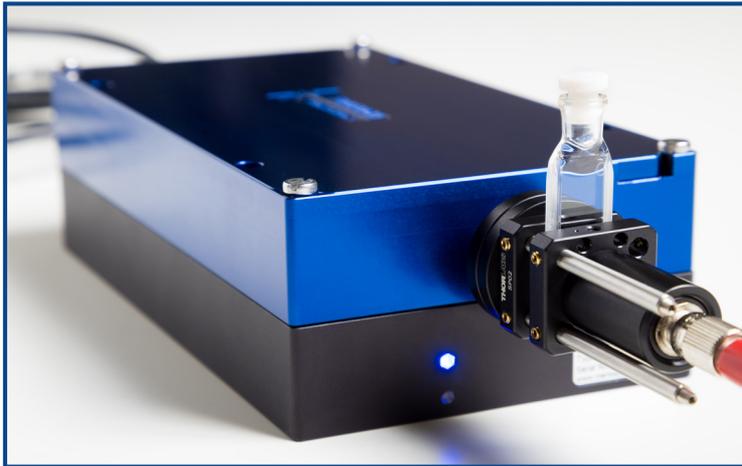


SLP-1050 SUPERCONTINUUM LASER



Ultrawide bandwidth, low noise laser

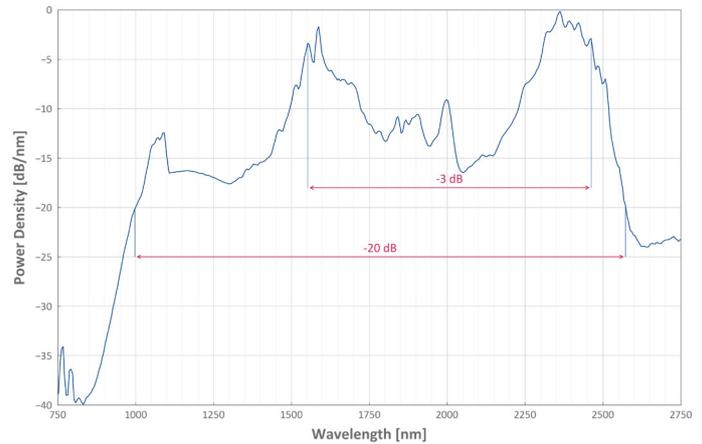


Designed for both stationary and mobile applications, the **SLP-1050** is the industry's first portable and maintenance-free high-power wideband laser. It generates unprecedented spectral range at the -3 dB range with femtosecond compressed pulse durations all on a chip.

Utilizing PAD - Patterned Alternating Dispersion™ technology, the SLP-1050 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

Spectral Bandwidth	900 nm at -3 dB
Average Output Power	50 mW
Output Pulse Length	20 fs
RIN	10^{-12} dB/Hz
Repetition Rate	100 MHz
Pulse Energy	500 pJ
Total Power Stability	0.5 %
Output Beam	1.8 mm collimated radius
Output Port Thread	SM05
Power Supply (DC)	12 VDC
Current	1.5 A
Current at Warm-up	5 A
Power Consumption	15 W
Warm-up Time	< 60 s
Operating Temperature	20 °C 68 °F
Dimensions (WxHxL)	174 x 96 x 54 mm ³
Laser Head Weight	1.5 kg 52 oz
Laser safety	Class IIIB

From **optical coherence tomography** and **hyperspectral imaging** to **medical imaging** and **advanced spectroscopy**, our innovative technology delivers unmatched versatility and precision. Elevate your operations in inspection, process and quality control, and material analysis with this groundbreaking solution.

For more information, contact us at ventas@procarelight.com



Disclaimer: the information provided in this preliminary datasheet is subject to change and is for informational purposes only. It does not guarantee product specifications or availability. Accuracy and completeness cannot be guaranteed, and final specifications may differ. Consult official documentation for the most up-to-date information. This datasheet does not imply any warranties, and our company disclaims liability for any damages resulting from its use. Unauthorized use or distribution is prohibited.