



Application ready, 767 nm OEM microchip laser

- Nanosecond pulse duration
- Pulse repetition rate up to 1 kHz
- High pulse energy of over 10 μ J
- Compact packaging and integrated electronics
- Trigger out signal for timing measurements

Specifications	SP07 – 767 nm
Wavelength	767.2 nm (+/- 1 nm)
Spectral width	< 1.0 nm
Pulse duration, factory fixed	3–6 ns
Pulse repetition rate	up to 1 kHz
Maximum pulse energy	> 10 μ J
Pulse-to-pulse intensity variation ¹	< +/- 5 %
Power stability, 1 h*	< 2 % STD Dev.
Power stability, 12 h*	< 5 % STD Dev.
Polarization	Linear (1:100)
Optical output	Free-space, fiber coupled
M2	<1.3
Trigger-Out signal	Optical/ Electrical signal (upon request)
Warm-up time	< 5 min
Cooling	Air-cooling or conduction cooling
Dimensions*	140 mm x 95 mm x 70 mm
Optical height*	54 mm
Warranty	1 year or 2000 h of operation time
Country of Origin	Finland

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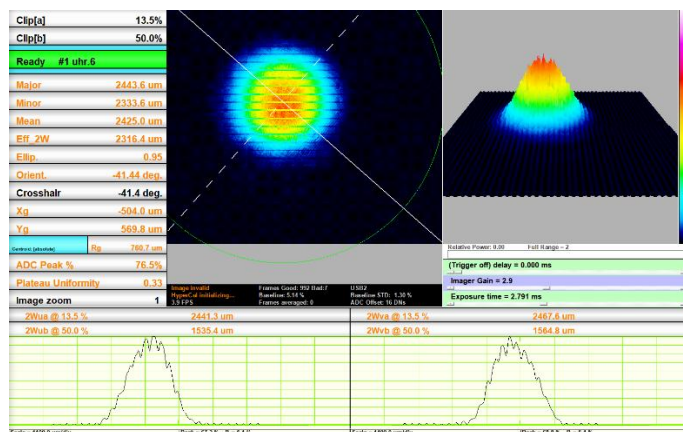
* May be changed upon development or assembly.

1) Typical stability values and may depend on other laser specifications.

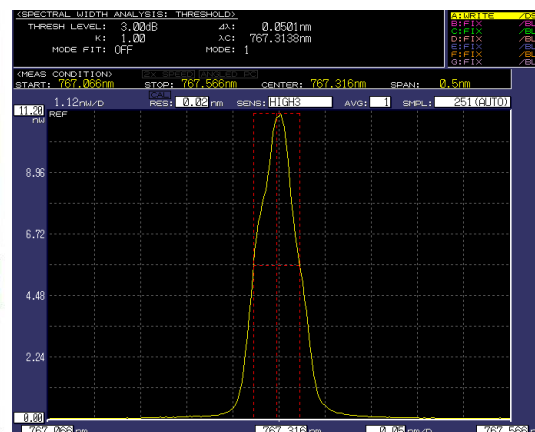
Pulse-to-pulse timing jitter depends on pulse repetition rate. For exact timing, please use optical trigger out

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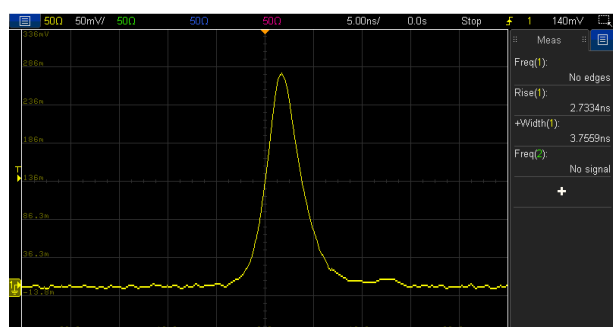
Beam Profile



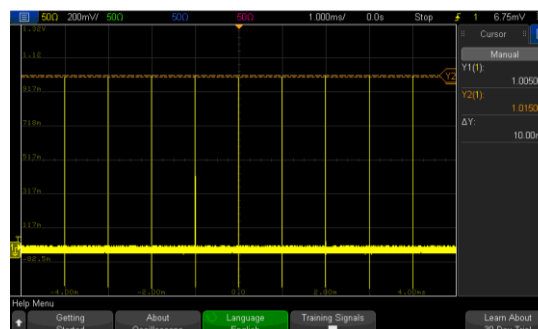
Spectral Profile



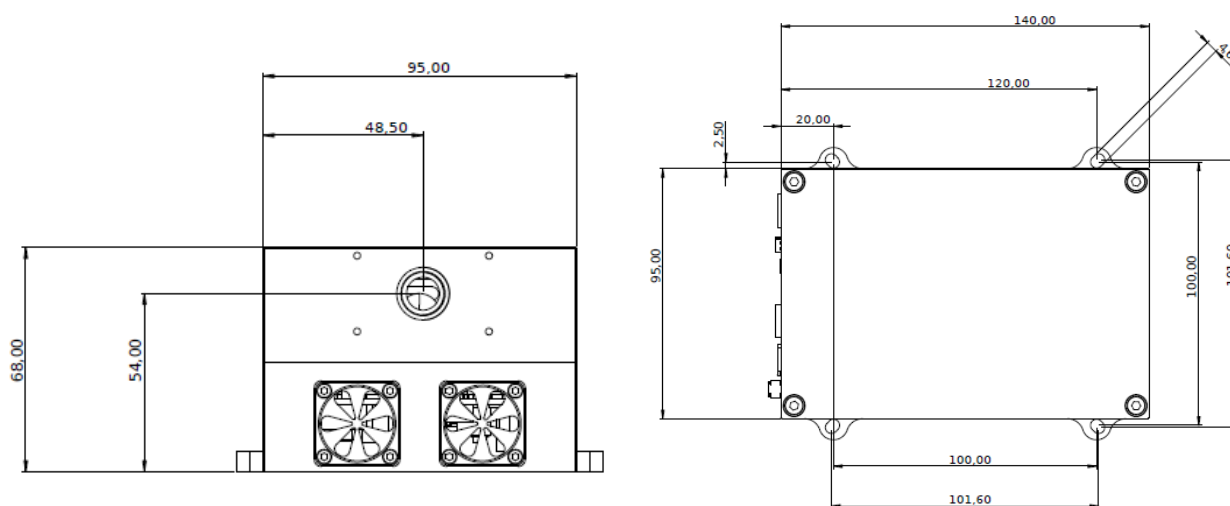
Typical Pulse Duration



Typical Intensity variation



Mechanical Dimensions



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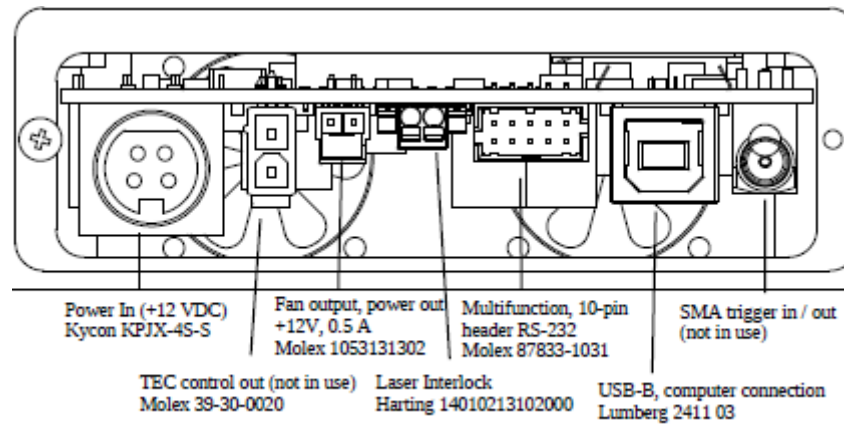
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Electrical Interfaces



Power Supply

XP Power, VES120PS12, 12VDC, 10 A

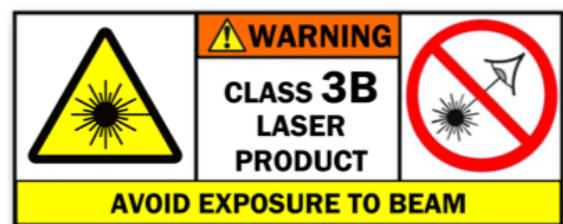
<https://www.xppower.com/product/VES120-Series>

Safety

Always use protective goggles for **767 nm**, **940 nm** and **1535 nm**

For more information, please contact us:

info@picophotonics.com



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