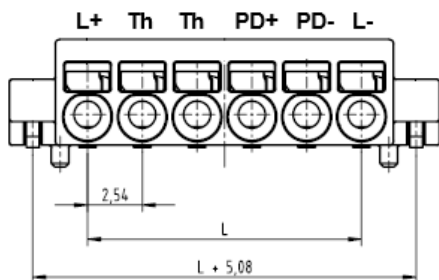


Ultracompact, eye-safe nanosecond OEM laser

- Pulse repetition rate up to 50 kHz
- Nanosecond pulse duration
- kW peak powers
- Integrated trigger-out photodiode for precise timing
- Ultracompact footprint with conduction cooling

Specifications	VS15 - 1535 nm
Wavelength	1534.4 nm +/- 1 nm
Spectral width	< 0.5 nm
Pulse duration, factory fixed	1-8 ns, tolerance +/- 1 ns
Pulse repetition rate, tunable <sup>1</sup>	single pulse to 50 kHz
Maximum pulse energy <sup>2</sup>	up to 12 µJ
Average power stability <sup>3</sup> , 12 h (Std. Dev)	< 2 %
Average power stability <sup>3</sup> , 12 h (Std. Dev)	< 3 %
Pulse intensity variation <sup>3</sup>	+/- 2 %
Optical output	Free-space
Trigger-Out signal	Electrical
Cooling	Conduction cooling (mounted on a heatsink)
Dimensions	25 x 45 x 7 mm
Warranty	1 year
Laser Operation Parameters	typical 2.5 A , 2 V max. 4 A, 4 V
Connector	Harting Flexicon, 2,54 TSPH-2 T24 BK
Power Supply	not included

## Electrical Connections



## Safety

Always use protective goggles for

900-1000 nm and **1535 nm**.

**For more information, please contact us:**

[info@picophotonics.com](mailto:info@picophotonics.com)

<sup>1</sup> Tuning range depends on other laser parameters and may be limited from the entire range.

<sup>2</sup> Maximum pulse energy depends on the pulse repetition rate

<sup>3</sup> Typical stability values and may depend on other laser specifications.

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