

FOR YOUR APPLICATION, FIND YOUR PULSED LASER SOLUTION

## Sub-nanosecond Amplified Microchip PicoSpear Series



BNG-15E-000 laser model

## **BENEFITS**

- Ultra-Short Pulses for higher precision
- Adaptable pulse energy for versatile control

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- Excellent beam quality TEM00, M<sup>2</sup> <1.3
- Compact and efficient
- Sealed package for long-term use

The PicoSpear Amplified Microchip Series offers a groundbreaking solution for applications requiring adaptable, high precision lasers. Designed with precision and efficiency in mind, this laser series delivers exceptional performance and reliability.

	BNG-series*
Wavelength**	532 nm
Energy	Up to 30 µJ
Average Power	Up to 500 mW
Pulse duration	Down to 650 ps
Repetition Rate	Up to 100 kHz
M²	< 1.3
Beam divergence	On demand
Power stability (long term)	<±3% rms
Dimensions (laser head)	95x215x40 mm

## **APPLICATIONS**

- Instrumentation
  - LIDAR and laser ranging
  - Photopolymerization
  - Atmospheric monitoring
- Micromachining
  - Material ablation at µm and nm scale
  - PCB repair

(\*) Preliminary specifications.

(\*\*) Also available in 1064 and 355 nm. Contact factory for more details.

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