



### Overview

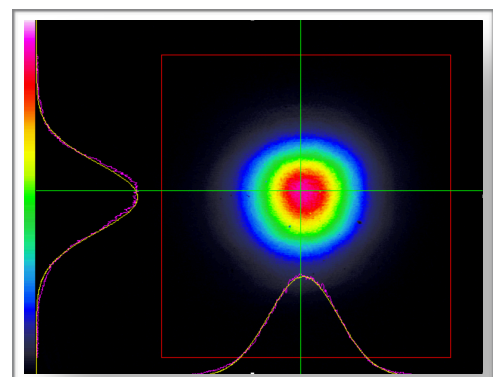
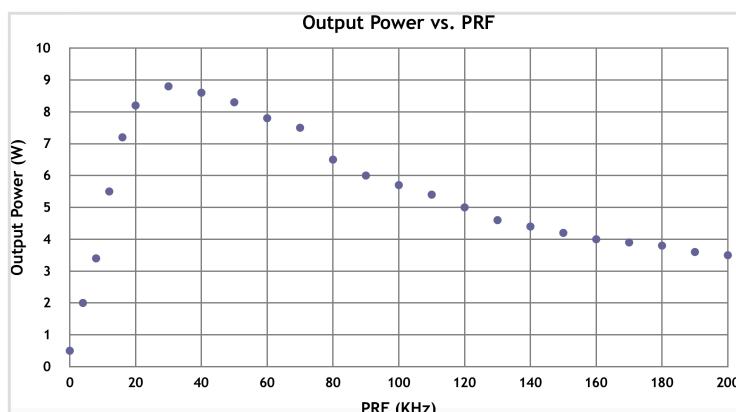
The Enlight Air532 lasers provides a cutting-edge and reliable light source for demanding applications where micro beam spot, precise and quality material processing, and high throughput are critical.

Air532 lasers are deliberately designed to provide excellent performance and high reliability. With high peak power and short pulse width, Air532 lasers enable minimal thermal damage for best quality material processing and the highest possible throughput.

Incorporating Enlight's reliable and cutting-edge DPSS laser cavity technologies along with precise and active controlling design, Air532 lasers are characterized by excellent TEM<sub>00</sub> beam quality, stable power and long lifetime. They are built for 24/7 industrial applications for lowest ownership cost and highest uptime.

### Features

- High Peak power and short pulse width (<30ns) for minimized thermal damage
- Advanced optical packaging and optimized design for rugged, compact and air-cooled laser
- Long lifetime ensures lowest cost of ownership and high uptime
- High efficiency with stable power and highest reliability
- Advanced and precise controlling design with built-in burst mode control
- Excellent beam quality ( $M^2 < 1.2$ ) and reliability





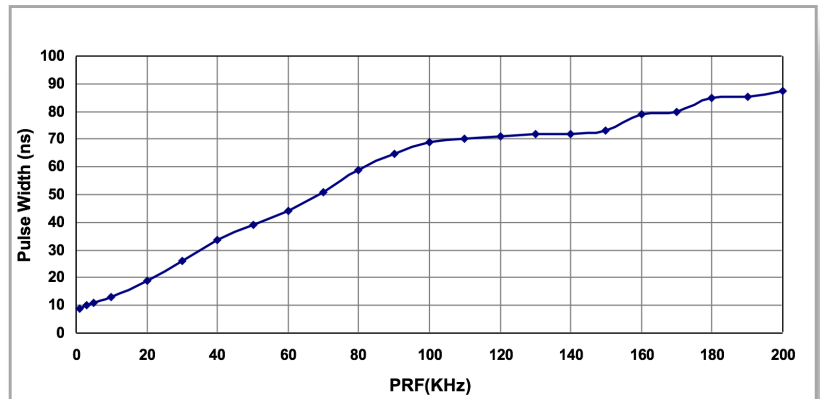
# HIGH ENERGY DPSS Q-SWITCHED GREEN LASER

## Air532™

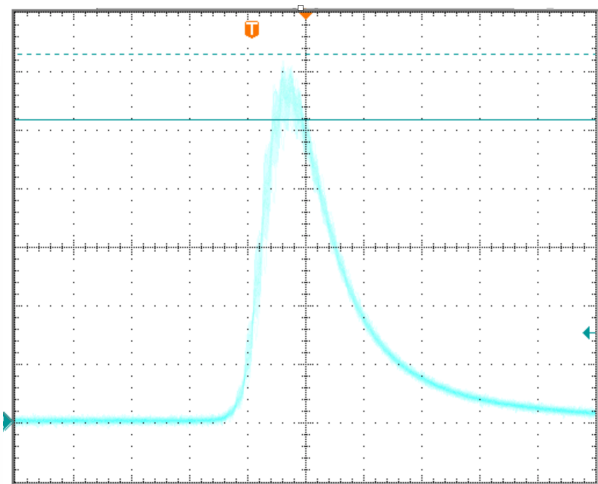
### Specifications

Characteristics	Air532
Wavelength	532nm
Repetition Rate	100Hz -200KHz
Output Power	>8W@30KHz
Pulse Width	<30ns@30KHz
Spatial Mode	TEM <sub>00</sub>
M <sup>2</sup>	<1.2
Polarization	Linear
PER	>500:1
Beam Roundness	>85%
Laser Head Cooling	Air
Warm-up Time (from cold start)	<30 min
Operating Temp. Range	18 to 35°C
Operating Humidity	5-80%, non-condensing
Non-operating Temp. Range	0-50°C
Non-operating Humidity	8-95%, non-condensing

### Pulse Width vs. PRF



### Pulse Performance



Nominal PRF 30KHz

Pulse Width 26ns

Peak Pulse Stability <12%

### Enlight Tech

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