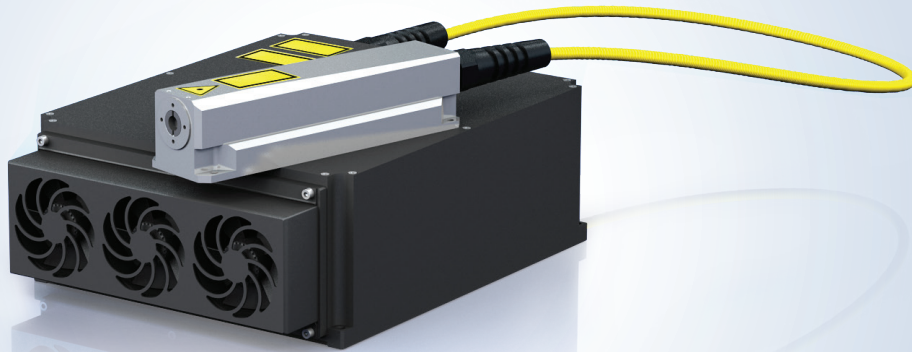


# ELPN-775-25

## Erbium Nanosecond Fiber Laser

NEW PRODUCT



### Applications

- ▶ Materials Processing
- ▶ Medical Applications
- ▶ STED Microscopy
- ▶ Scientific Applications



### Features

- ▶ 775 nm
- ▶ Output Power up to 25 W
- ▶ Pulse Duration 2 ns
- ▶ PRR 1-25 MHz
- ▶ Pulse Energy up to 2  $\mu$ J
- ▶ Compact Rugged Design

IPG Photonics' ELPN-775-25 erbium nanosecond OEM laser module provides up to 25 Watt at 775 nm. The output is collimated and linearly polarized. The nominal pulse duration is 2 ns, the pulse repetition rate can be changed in 1-25 MHz range and maximum pulse energy is 2 microjoules. The all-fiber construction allows for wide range of output power adjustment with no changes in power stability and beam mode parameters. The ELPN-775 pulsed nanosecond laser can be used in a variety of materials processing, scientific and medical applications.

# ELPN-775-25

## Erbium Nanosecond Fiber Laser

### Optical Characteristics

Wavelength, nm	775
Output Power, W	up to 25
Peak Power, kW	1
Power Tunability, %	10-100
Pulse Energy, $\mu$ J	<2
Pulse Duration, ns	2
Repetition Rate, kHz	1-25
Polarization	Linear
Beam Quality, $M^2$	1.3
Beam Diameter, mm	5 typ.

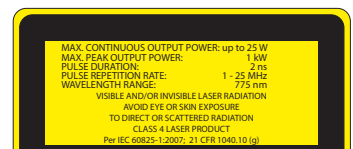
### General Characteristics

Control Unit Dimensions, mm	200 x 280 x 75
Optical Head Dimensions, mm	185 x 50 x 43
Cooling	Air-cooled
Supply Voltage, VDC	24
Power Consumption, W	<350
Weight, kg	<8.0

+1 (508) 373-1100; sales.us@ipgphotonics.com  
 +49 2736 44200; sales.europe@ipgphotonics.com (all European Inquiries)

[www.ipgphotonics.com](http://www.ipgphotonics.com)

**Legal notices:** All product information is believed to be accurate and is subject to change without notice. Information contained herein shall legally bind IPG only if it is specifically incorporated into the terms and conditions of a sales agreement. Some specific combinations of options may not be available. The user assumes all risks and liability whatsoever in connection with use of a product or its application. IPG, IPG Photonics, The Power to Transform and IPG Photonics' logo are trademarks of IPG Photonics Corporation. © 2015 IPG Photonics Corporation. All rights reserved.



The Power to Transform®