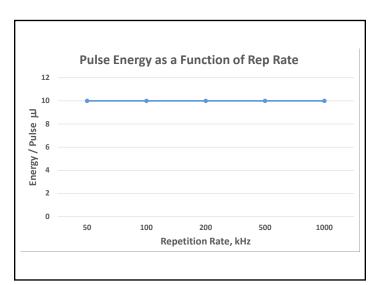




NEW PRODUCT

YLPF-10-500-10-R

Ytterbium Femtosecond Fiber Laser









IPG Photonics' NEW YLPF Series femtosecond fiber lasers provide high peak power with max average output power of 10 W, short pulse duration of <500 fs at operational repetition rate range of 20-1000 kHz. The all fiber format allows for the adjustment of peak power and/or pulse repetition rate without affecting any of the output beam parameters. IPG's novel fiber laser is much more efficient and compact than conventional lasers now on the market. It is ideal for applications in ophthalmology, life sciences and precision micromachining.

The excellent beam quality, ultrashort pulse duration and high pulse energy combine to provide peak power densities suitable for micromachining virtually any material: metal, glass, ceramic, silicon, plastics. The ultrashort pulse duration results in a very small heat affected zone. Higher output powers are planned.



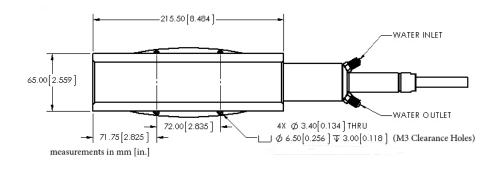
YLPF-10-500-10-R

Ytterbium Femtosecond Fiber Laser

Optical Characteristics	
Wavelength, nm	1030
Average Power, W	10
Pulse Energy, μJ	10
Pulse Duration, fs	<500
Peak Power, MW	up to 100
Repetition Rate, kHz	50-1000
Beam Quality, M ²	<1.4 (1.2 Typ.)

General Characteristics

Control Unit Dimensions (W \times D \times H), mm	448 × 418 × 133
Optical Head Dimensions (W \times D \times H), mm	370 × 82 × 60
Cooling	Air-cooled
Supply Voltage, VAC	100-240, 50/60 Hz
Power Consumption, W	150



65.00[2.559] 32.50[1.280]

Water-cooled Head

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