

FemtoYL-80-100-0.5

YSL Photonics' FemtoYL-80-100-0.5 is the latest high power femtosecond fiber laser, it can deliver 500fs pulse width and 100uJ pulse energy, making it an ideal laser for micromachining application.

Features:

- Average Power 80W
- Pulse Duration 500fs
- Peak Power 100MW
- Repetition Rate 100-5000kHz
- Pulse Energy 100uJ@500fs
- $M^2 < 1.3$
- Burst Mode Function
- Optional 515nm 343nm output

Applications:

- Sapphire Dicing and Drilling
- Lion Ion Battery Foil Cutting
- Glass Dicing and Drilling
- Silicon Dicing and Drilling
- Metal Marking
- FPC Cutting
- Solar Cell PERC
- SiC Dicing and Drilling



Specifications :

Model	FemtoYL-80-100-0.5
Center Wavelength	1030nm
Total power	80W
Repetition Rate	100-5000kHz
Power Stability	<2%
Pulse Energy	100uJ@500fs
Peak Power	>100MW
Pulse Width	~500fs
Photo Response	<5us
Beam Quality	$M^2 < 1.3$
Beam Diameter	2mm
Beam Divergence	<5mrad
State of Polarisation	Linear polarized
Sync(trigger) Output	SMA NIM pulse
Power Requirements	DC24V/8A
Dimensions (L*W*H)	1200mm*410mm*114mm
Control	RS232 or DB25

Optional 532nm, 355nm Output

