

## YFPN-1000-GMC-H50R-F

MOPA FIBER LASER FOR CLEANING H50R1000HW-F  
Data sheet V 1.0

### Features

- » MOPA Technology
- » TOP-HAT beam
- » Short pulse setup
- » Very competitive price
- » Pulse width modifiable



## TECHNICAL SPECIFICATIONS

Central Wavelength	1060-1080 nm	Spectral width @3dB	<30nm
Output power	1000 W	QBH divergence	<200 mrad
Max. pulse energy	50 mJ	Delivery cable	10 m
Range of power	0-100 %	Supply voltage AC	220 VAC
Repetition frequency	1-400 kHz	Current consumption	<16 A
Pulse width	30-500 ns	Power consumption	<3520 W
Power instability	<5 %	Operating temperature	0 - 40 °C
Beam quality	<9 mm*mrad	Storage temperature	-10 - 60 °C
Laser switching ON/OFF	<500 µs	Colling method	Water
Laser dimension (mm)	728.5x485x145	Water chiller temperature	28 °C (Laser)
Net weight	<60 kg		30 °C (QBH)
		Water chiller flow	7-15 L/min
		Pipe diameter	12 mm Laser/ 6mm QBH

## YFPN-1000-GMC-H50R-F

Pulse width corresponds to the power reduction frequency point and the maximum single pulse energy

Pulse width (ns)	Power reduction frequency (kHz)	Upper frequency limit (kHz)	Max. single pulse energy (mJ)
30	90	400	11.11
60	50	400	20.00
80	41	400	24.39
100	38	400	26.32
150	20	400	50.00
200	20	400	50.00
300	20	400	50.00
400	20	400	50.00
500	20	400	50.00

