

YFPN-1000-GMC-H50R

MOPA FIBER LASER FOR CLEANING H50R1000HW
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)	728x485x145	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

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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	120	400	8.33
60	80	400	12.50
80	60	400	16.67
100	40	400	25.00
150	36	400	27.78
200	30	400	33.33
300	26	400	38.46
400	24	400	41.67
500	20	400	50.00

