

YFPN-500-GMC-H15R

MOPA FIBER LASER FOR CLEANING H15R1000HW

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	500 W	QBH divergence	<200 mrad
Max. pulse energy	15 mJ	Delivery cable	10 m
Range of power	0-100 %	Supply voltage DC	48 VDC
Repetition frequency	1-1000 kHz	Current consumption	<40 A
Pulse width	10-500 ns	Power consumption	<1920 W
Power instability	<5 %	Operating temperature	0 - 40 °C
Beam quality	<5 mm*mrad	Storage temperature	-10 - 60 °C
Laser switching ON/OFF	<100 µs	Colling method	Water
Laser dimension	473x485x82 mm	Water chiller temperature	28 °C (Laser)
Net weight	<35 kg		30 °C (QBH)
		Water chiller flow	5-10 L/min
		Pipe diameter	10 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)
10	800	1000	0.63
30	300	1000	1.67
60	150	1000	3.33
80	120	1000	4.17
100	80	1000	6.25
150	60	1000	8.33
200	50	1000	10.00
300	45	400	11.11
400	40	400	12.50
500	33	400	15.15

