

## YFPN-100-GMC

MOPA FIBER LASER FOR CLEANING  
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
Output power	100 W
Max. pulse energy	2 mJ
Range of power	0-100 %
Repetition frequency	1-3000 kHz
Full power frequency	50-1200 kHz
Pulse width	10-500 ns
Power instability	<5 %
Beam quality M <sup>2</sup>	<2
Laser switching ON/OFF time	<20 μs
Laser dimension (mm)	320x272x92
QCS dimension(mm)	Ø17x133
Net weight	<17 kg

Spectral width @3dB	<20 nm
Beam diameter	5±1 mm
Delivery cable	5 m
Supply voltage DC	48 VDC
Current consumption	<10 A
Power consumption	<480 W
Operating temperature	0 - 40 °C
Storage temperature	-10 - 60 °C
Colling method	Air

## YFPN-100-GMC

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)
1(CW)			
10	1200	3000	0.08
20	625	2000	0.16
30	450	1000	0.22
40	350	1000	0.29
50	300	1000	0.33
60	275	1000	0.36
70	245	1000	0.41
80	225	1000	0.44
90	215	1000	0.47
100	175	400	0.57
150	100	400	1.00
200	85	400	1.18
250	75	400	1.33
350	65	400	1.54
450	50	400	2.00
500	50	400	2.00

