

Fiber Cleaning Laser

CL-100-1-A

- Optimised M^2 for Cleaning
- Frequency Range 1 - 4000 kHz
- Pulse Peak Power > 16 kW
- Adjustable Pulse Width
- Pulsed and CW Mode



TECHNICAL SPECIFICATIONS:

CL-100-1-A

Central Wavelength	1064 nm
Nominal Output Power	100 W
Beam Quality	$M^2 < 2$
Pulse Frequency Range	1 – 4000 kHz
Full Power Frequency	65 – 4000 kHz
Maximum Pulse Energy	1.5 mJ @ 65 kHz
Pulse Width	2 - 500 ns
Output Beam Diameter $1/e^2$	7.5 mm ¹
Power Tuning Range	0 – 100 %
Polarization	Random
Anti Reflective Coating	Yes
Average Power Instability	< 5%
Typical Lifetime Diodes	100.000 h

Fiber Length ²	5 m
Cooling Method	Air
Red Pilot Beam	Yes
Adjustable Pulse Width	Yes
House-Keeping-Function	48 V
Dimensions W*D*H	350*280*112 mm
Weight	Approx. 13.2 kg
Supply DC Voltage (VDC)	48 V
Current Consumption	≤ 8 A
Power Consumption (20°C)	≤ 390 W
Operation Temperature	0 – 40 °C
Storage Temperature	-10 – 60 °C

¹ Customized Beam Diameter available from 4 mm to 7.5 mm

² Customized Fiber length available with 3 m, 5 m or 7 m



Manufacturer:

JPT