

## Fiber Cleaning Laser

# CL-300-13-A

- **Maximum Pulse Energy 13 mJ**
- **Frequency Range 1 - 1000 kHz**
- **Maximum Peak Power > 60 kW**
- **Beam Quality  $M^2$  10 - 12**
- **Adjustable Pulse Width**



### TECHNICAL SPECIFICATIONS:

#### CL-300-13-A

Central Wavelength	1064 nm
Nominal Output Power	300 W
Beam Quality	$M^2$ 10 - 12
Pulse Frequency Range	1 - 1000 kHz
Full Power Frequency	23 - 1000 kHz
Maximum Pulse Energy	13 mJ @ 23 kHz
Pulse Width	80 - 500 ns
Output Beam Diameter $1/e^2$	7 mm <sup>1</sup>
Power Tuning Range	0 - 100 %
Polarization	Random
Anti Reflective Coating	Yes
Average Power Instability	< 5%
Typical Lifetime Diodes	100.000 h

Fiber Length <sup>2</sup>	5 m
Cooling Method	Air
Red Pilot Beam	Yes
Adjustable Pulse Width	Yes
House-Keeping-Function	24 V
Dimensions W*D*H	558*378.5*425 mm
Weight	Approx. 65 kg
Supply DC Voltage (VDC)	24 V
Current Consumption	≤ 63 A
Power Consumption (20°C)	≤ 1500 W
Operation Temperature	0 - 40 °C
Storage Temperature	-10 - 60 °C

<sup>1</sup> Customized Beam Diameter available from 4 mm to 7.5 mm

<sup>2</sup> Customized Fiber length available with 3 m, 5 m or 7 m



Manufacturer:

**JPT**