

# M7-200M

- MOPA Technology
- Large Frequency Range
- High Pulse Energy
- Adjustable Pulse Width
- Beam Quality  $M^2 < 1.6$
- Pulsed and CW Mode



## TECHNICAL SPECIFICATIONS:

### M7-200M

Central Wavelength	1064 nm
Nominal Output Power	200 W
Beam Quality	$M^2 < 1.6$
Pulse Frequency Range	1 – 4000 kHz
Full Power Frequency	130 – 4000 kHz
Maximum Pulse Energy	1.5 mJ @ 130 kHz
Pulse Width	2 – 500 ns
Output Beam Diameter 1/e <sup>2</sup>	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	48 V
Dimensions W*D*H	430*351*133 mm
Weight	Approx. 25 kg
Supply DC Voltage	48 V
Current Consumption	≤ 16 A
Power Consumption (20°C)	≤ 800 W
Operation Temperature	0 – 40 °C
Storage Temperature	-10 – 60 °C

<sup>1</sup> Customized Beam Diameter available from 2,5 to 10,5 mm

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



Manufacturer:

**JPT**