

M7-500M

- MOPA Technology
- Adjustable Pulse Width
- Brilliant Beam Quality
- Very Compact Design



TECHNICAL SPECIFICATIONS:

M7-500M

Central Wavelength	1064 nm
Nominal Output Power	500 W
Beam Quality	$M^2 < 1.6$
Pulse Frequency Range	1 – 4000 kHz
Full Power Frequency	330 – 4000 kHz
Maximum Pulse Energy	1.5 mJ @ 330 kHz
Pulse Width	30 – 500 ns
Output Beam Diameter 1/e ²	7.0 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	Water
Red Pilot Beam	Yes
Adjustable Pulse Width	Yes
House-Keeping-Function	48 V
Dimensions W*D*H	482*470*70 mm
Weight	Approx. 25 kg
Supply DC Voltage	48 V
Current Consumption	≤ 35 A
Power Consumption (20°C)	≤ 1700 W
Operation Temperature	0 – 40 °C
Storage Temperature	-10 – 60 °C

¹ Customized Beam Diameter available from 2,5 to 10,5 mm

² Customized Fiber Length available with 2 m, 3 m or 5 m

³ Each laser requires individual cooling.
The unit specific working temperature is shown on the test protocol



Manufacturer:

JPT