

Fiber Laser

M7-120M

- MOPA Technology
- Brilliant Beam Quality
- High Pulse Energy
- Adjustable Pulse Width
- Pulsed and CW Mode



TECHNICAL SPECIFICATIONS:

M7-120M

Central Wavelength	1064 nm
Nominal Output Power	120 W
Beam Quality	$M^2 < 1.4$
Pulse Frequency Range	1 – 4000 kHz
Full Power Frequency	80 – 4000 kHz
Maximum Pulse Energy	1.5 mJ @ 80 kHz
Pulse Width	2 - 500 ns
Output Beam Diameter 1/e ²	7 mm ¹
Power Tuning Range	0 – 100 %
Polarization	Random
Anti Reflective Coating	Yes
Average Power Instability	< 5%
Typical Lifetime Diodes	100.000 h

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

Fiber Length	2 / 3 / 5 m
Cooling Method	Air
Red Pilot Beam	Yes
Adjustable Pulse Width	Yes
House-Keeping-Function	48 V
Dimensions W*D*H	338*280*112 mm
Weight	Approx. 12 kg
Supply DC Voltage (VDC)	48 V
Current Consumption	≤ 9 A
Power Consumption (20°C)	≤ 430 W
Operation Temperature	0 – 40 °C
Storage Temperature	-10 – 60 °C



Manufacturer:

JPT