

Fiber Laser

M7-100M

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



TECHNICAL SPECIFICATIONS:

M7-100M

| | |
|---------------------------------------|-------------------|
| Central Wavelength | 1064 nm |
| Nominal Output Power | 100 W |
| Beam Quality | $M^2 < 1.4$ |
| Pulse Frequency Range | 1 – 4000 kHz |
| Full Power Frequency | 67 – 4000 kHz |
| Maximum Pulse Energy | 1.5 mJ @ 67 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 | ≤ 8 A |
| Power Consumption (20°C) | ≤ 390 W |
| Operation Temperature | 0 – 40 °C |
| Storage Temperature | -10 – 60 °C |



Manufacturer:

JPT