

M8-250M-A10

- **Maximum Peak Power up to 50 kW**
- **Frequency Range 1 – 4000 kHz**
- **Beam Quality $M^2 < 1.6$**
- **Adjustable Pulse Width**
- **Pulsed and CW Mode**



TECHNICAL SPECIFICATIONS:

M8-250M-A10

Central Wavelength	1064 nm
Nominal Output Power	250 W
Beam Quality	$M^2 < 1.6$
Pulse Frequency Range	1 – 4000 kHz
Full Power Frequency	130 – 4000 kHz
Maximum Pulse Energy	1.92 mJ @ 130 kHz
Pulse Width	6 - 500 ns
Output Beam Diameter 1/e ²	6 mm ¹
Power Tuning Range	0 – 100 %
Polarization	Random
Anti Reflective Coating	Yes
Average Power Instability	< 5%

Typical Lifetime Diodes	100.000 h
Cooling Method	Water
Red Pilot Beam	Yes
Adjustable Pulse Width	Yes
House-Keeping-Function	48 V
Dimensions W*D*H	403*280*75 mm
Weight	Approx. 16.5 kg
Supply DC Voltage (VDC)	48 V
Current Consumption	≤ 18 A
Power Consumption (20°C)	≤ 864 W
Operation Temperature ²	25 – 35 °C
Storage Temperature	-10 – 60 °C

¹ Customized Beam Diameter available from 2,5 to 6,0 mm

² Each laser requires individual cooling.
The unit specific working temperature is shown on the test protocol



Manufacturer:

JPT