

Fiber Laser

QCW-150/1500SM-A

- **Single-Mode Fiber 14 – 25 μm**
- **High Pulse Energy of 15 J**
- **Maximum Peak Power at 1.5 kW**
- **Air Cooled**



TECHNICAL SPECIFICATIONS:

QCW-150/1500SM-A	
Central Wavelength	1080 nm
Nominal Output Power (Pulsed)	150 W
Nominal Output Power (CW)	250 W
Max. Peak Power	1500 W
Mode of Operation	CW / Pulsed
Beam Parameter Product	0.55 mm*mrad
Fiber Core Diameter ¹	25 μm
Modulate Frequency	1 - 10000 Hz
Max. Pulse Energy	15 J
Pulse Width	0.01-10 ms
Polarization	Random
Output	QBH
Average Power Instability	< 3%

¹ Fiber Core Diameters available with 14 μm - 25 μm

² Fiber Length available up to 20 m

Typical Lifetime Diodes	100.000 h
Fiber Length ²	5 m
Cooling Method	Air
Red Pilot Beam	Yes
Dimensions W*D*H	483*650*177 mm
Weight	39 kg
Supply Voltage	48 V DC
Power Consumption (20 °C)	1000 W
Operation Temperature	5 – 35 °C
Storage Temperature	-20 – 50 °C



Manufacturer:

JPT