

MFP

10W~70W

Q-Switch Pulsed Fiber Laser



Product Feature



Excellent Single Pulse Energy

Higher single pulse energy makes our laser applicable to more types of materials and applications



New Compact and Rugged Design

>40% reduction in volume

Higher flexibility when integrated into system



Wide Application Even with Highly Reflective Material

High performance isolator effectively reduces reflection damage to the laser source

Smoothly marking on aluminum, copper and brass etc



High Level Vertical Integration

All key components are designed and produced in house

Strict quality control, high consistency and reliability

MFP 10W~70W Fiber Laser Specifications

| Models | MFP-10W | MFP-20W | MFP-30W | MFP-50W | MFP-70W |
|-----------------------------------|---|-----------|---------|-----------|-------------------------------------|
| OPTICAL SPECIFICATIONS | | | | | |
| Nominal Power | 10W | 20W | 30W | 50W | 70W |
| Mode of Operation | Pulsed | | | | |
| Polarization | Random | | | | |
| Power Tunability | 10 to 100% | | | | |
| Wavelength | 1064 ± 5 nm | | | | |
| Power Stability | ≤ 3 % | | | | |
| Laser Beam Quality M ² | 1.2~1.5 | | 1.3~1.8 | | |
| Pulse Energy | 0.45 mJ | 0.68 mJ | 1 mJ | | 1.45 mJ |
| Pulse Duration | 80~120 ns | | | | 100~140 ns |
| Repetition Rate | 20~60 kHz | 30~60 kHz | | 50~80 kHz | 50~170 kHz |
| FIBER DELIVERY SYSTEM | | | | | |
| Length | 1.9~3m standard, other lengths optional | | | | 3m standard, other lengths optional |
| Beam Diameter | 6~8mm | | | | |
| Beam Ellipticity | 90% | | | | |
| ELECTRICAL RATINGS | | | | | |
| Supply Voltage | 24 VDC | | | | |
| OTHER SPECIFICATIONS | | | | | |
| Operating Temperature | +10 to +42℃ | | | | |
| Storage Temperature | -10 to +60℃ | | | | |
| Humidity | 10 to 95% | | | | |
| Cooling Method | Air Cooling | | | | |
| Dimension | 345×266.2×120 mm | | | | |
| Weight | 10 kg | | 12 kg | | |

Mechanical Specifications (mm)

