



FL-1550-S/1uW~10mW

SPECIFICATIONS

ALL FIBER PULSED LASER

High frequency all fiber pulsed laser at 1550nm is made features of high peak power stability, good beam profile, ultra compact, long lifetime, low cost and easy operating, which is widely used in laser radar, optical fiber sensing, life science, microelectronics, scientific research, optical simulation, etc.



| | | |
|-------------------------------------|------------------------------------|------------------|
| Wavelength (nm) | 1550±1 | |
| Operating mode | Pulsed | |
| Peak power (mW) | 1uW~1mW (fixed) | 1mW~10mW (fixed) |
| Power stability (rms, over 4 hours) | <1%, <3% | |
| Pulse width(ns) | 5ns-100ns (adjustable) | |
| M ² factor | <1.2 | |
| Repetition frequency(Hz) | 1Hz-100KHz, 1Hz-10MHz (adjustable) | |
| Polarization ratio | Random/>15dB | |
| Warm-up time (minutes) | <5 | |
| Delivery cable length(m) | variable | |
| Operating temperature (°C) | 15~35 | |
| Power supply | 5V DC | |
| Expected lifetime (hours) | 10000 | |
| Warranty | 1 year | |



| FL-1550-S | FL-1550-S |
|--|-----------|
| <p style="text-align: center;">203(L)×130(W) ×25(H) mm³, 1kg</p> | |



FL-1550-Nano/50~1000mW

**HIGH FREQUENCY ALL FIBER
PULSED LASER**

High frequency all fiber pulsed laser at 1550nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in laser radar, laser ranging, telemetry, 3D scanning, medical cosmetology, holography spectrum analysis, scientific experiment, optical instrument, interference, security, etc.



SPECIFICATIONS

| | | |
|-------------------------------------|--|---|
| Wavelength (nm) | 1550±1 | |
| Operating mode | Pulsed | |
| Output power (mW) | 50-1000(variable, but not suitable for OEM type) | |
| Power stability (rms, over 4 hours) | <2%, <3% | |
| Pulse width(ns) | 0.5~5(variable, but not suitable for OEM type) | 5-50(variable, but not suitable for OEM type) |
| Repetition frequency(KHz) | 50-1000 | |
| Transverse mode | TEM ₀₀ | |
| M ² factor | <1.5 | |
| Polarization state | Random / >15dB | |
| Warm-up time (minutes) | <15 | |
| Operating temperature (°C) | 15~35 | |
| Power supply | 220V AC / 12V DC | |
| Expected lifetime (hours) | 10000 | |
| Warranty | 1 year | |



| FL-1550-Nano-LAB(220V AC) | FL-1550-Nano-IND(220V AC) | FL-1550-Nano-OEM(12V DC) |
|--|---|---|
| <p>281(L)×309(W) ×152.5(H) mm³, 5.5kg</p> | <p>220(L)×150(W) ×75(H) mm³, 7.0kg</p> | <p>220(L)×150(W) ×75(H) mm³, 2.5kg</p> |



FL-1550-AO/1~20uJ

ALL FIBER PULSED LASER

All fiber pulsed laser at 1550nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in laser radar, laser ranging, telemetry, medical cosmetology, holography spectrum analysis, scientific experiment, optical instrument, interference, security, etc.



SPECIFICATIONS

| | | |
|--------------------------------------|-------------------|------|
| Wavelength (nm) | 1550±1 | |
| Operating mode | Pulsed | |
| Single pulse energy(uJ) | >2 | >20 |
| Energy stability (rms, over 4 hours) | <2%, <3% | |
| Pulse width (ns) | 0.5~5 | 5-50 |
| Repetition frequency (Hz) | 1-200 | |
| Transverse mode | TEM ₀₀ | |
| M ² factor | <1.1 | |
| Polarization state | Random / >15dB | |
| Warm-up time (minutes) | <15 | |
| Operating temperature (°C) | 15~35 | |
| Power supply (220V AC) | PSU-FL-P-AO | |
| Expected lifetime (hours) | 10000 | |
| Warranty | 1 year | |



| FL-1550-AO(220V AC) | PSU-FL-AO(220V AC) |
|--|--|
| <p>260(L)×180(W) ×75(H) mm³, 3kg</p> | <p>290(L)×220(W) ×85(H) mm³, 3kg</p> |



FL-1550-CW/1~10W

HIGH POWER ALL FIBER CW LASER

High Power all fiber CW laser at 1550nm is made features of ultra compact, long lifetime, low cost and easy operating, eyesafe wavelength, which is widely used in medical cosmetology, holography spectrum analysis, scientific experiment, etc.

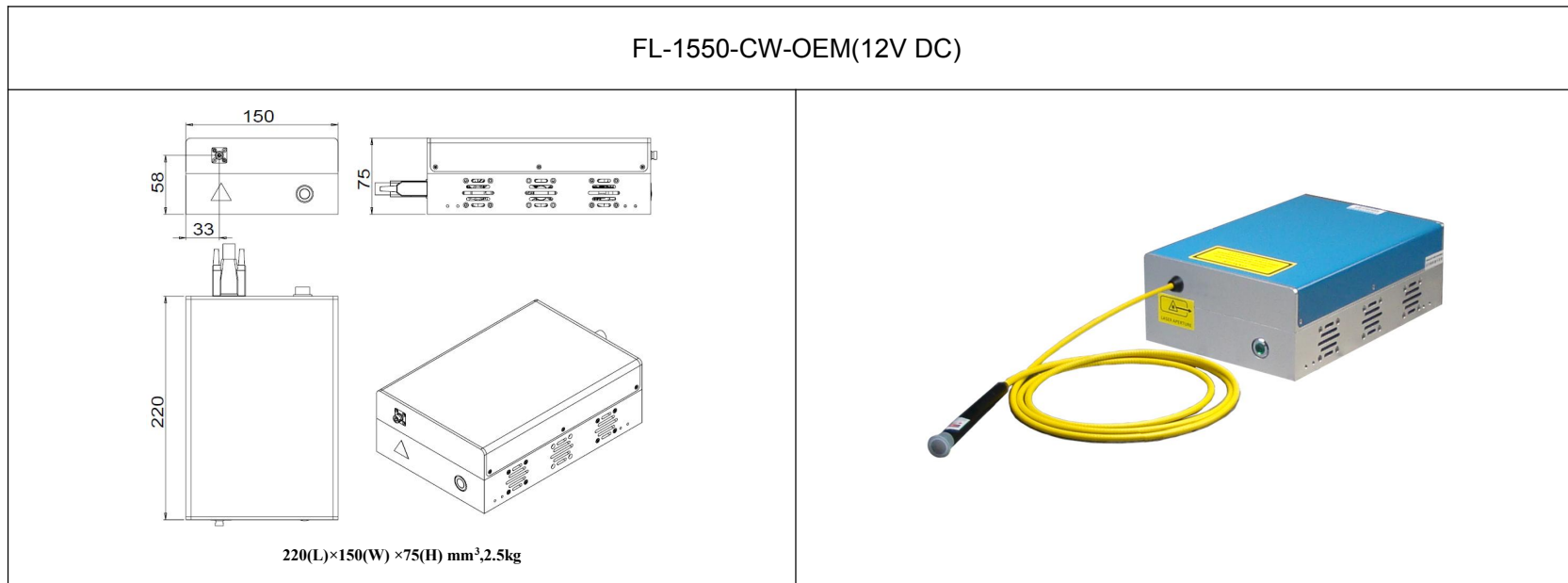


SPECIFICATIONS

| | |
|-------------------------------------|-------------------------|
| Wavelength (nm) | 1550±10 |
| Operating mode | CW or Modulated(≤50KHz) |
| Output power (W) | 1-10 |
| Power stability (rms, over 4 hours) | <2%, <3% |
| Delivery Fiber Length (m) | 2-5 |
| Output Fiber termination | Collimator |
| Beam Diameter (mm) | 4±1 |
| M ² factor | <1.5 |
| Polarization state | Random / >15dB |
| Warm-up time (minutes) | <15 |
| Operating temperature (°C) | 15~35 |
| Power supply | 220V AC / 12V DC |
| Expected lifetime (hours) | 10000 |
| Warranty | 1 year |



FL-1550-CW-OEM(12V DC)





FL-1550-SF/1~1000mW

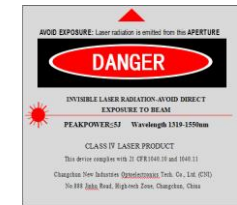
**SINGLE FREQUENCY MODE
FIBER LASER AT 1550 nm**

All polarization fiber single frequency mode high power laser at 1550nm is consisting of the seed laser and an amplifier optimized for low noise operation and application demanding more optical power, which has been designed for operation in acoustic and seismic sensing, medical cosmetology, LIDAR, metrology, wind sensing, security, experimental research, etc.



SPECIFICATIONS

| Model | FL-1550-SF- II | FL-1550-SF- I |
|-------------------------------------|-------------------|---------------|
| Wavelength (nm) | 1550±1 | |
| Operating mode | CW | |
| Output power (mW) | 1~500 | 1~1000 |
| Power stability (rms, over 4 hours) | <1%, <2% | |
| Transverse mode | TEM ₀₀ | |
| Longitudinal mode | Single | |
| Spectral linewidth (KHz) | <100 | <2000 |
| M ² factor | <1.2 | |
| Beam Delivery Optics | FC/APC | |
| Polarization ratio(dB) | >15 | |
| Warm-up time (minutes) | <15 | |
| Beam height from base plate (mm) | 58 | |
| Operating temperature (°C) | 15~35 | |
| Power supply (V DC) | 12 | |
| Expected lifetime (hours) | 10000 | |
| Warranty | 1 year | |
| Options | RS 232 interface | |



| FL-1550-SF- I | FL-1550-SF- II |
|---|---|
| <p>264(L) x 214(W) x 75(H), 3 kg Spectral linewidth < 2000 KHz</p> | <p>420(L) x 380(W) x 49(H) mm³, 7 kg Spectral linewidth < 100 KHz</p> |