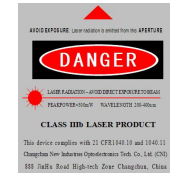


MIL-F series



LD PUMPED ALL-SOLID-STATE LASER

All solid state laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, laser lighting show, etc.



SPECIFICATIONS

| | | | | | |
|---|---|----------|------------------------|----------|------------|
| Part number | MIL-F-1030 | | MIL-F-1073 | | MIL-F-1105 |
| Wavelength (nm) | 1030±2 | | 1073±1 | | 1105±1 |
| Operating mode | CW | | | | |
| Output power (mW) | 1-100 | 100-600 | 1-800 | 800-1500 | 1-500 |
| Power stability (rms, over 4 hours) | <3%, <2%, <1% | <5%, <3% | <5%, <3%, <2% | <5%, <3% | <3%, <2% |
| Transverse mode | TEM ₀₀ | | Near TEM ₀₀ | | |
| M ² factor | <1.5 | <2.0 | | | |
| Beam diameter at the aperture (1/e ² , mm) | ~1.5 | | | | |
| Beam divergence, full angle (mrad) | <2.0 | | | | |
| Polarization Ratio | >100:1, Horizontal (Vertical Optional) | | | | |
| Warm-up time (minutes) | <5 | | | | |
| Pointing stability after warm-up (mrad) | <0.05 | | | | |
| Beam height from base plate (mm) | 45 | | | | |
| Operating Temperature (°C) | 10-35 | | | | |
| Modulation optional | TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, and Analog modulation optional | | | | |
| Power supply (90-264VAC) | PSU-H-LED/ PSU-H-FDA/ PSU-H-OEM/ PSU-SR | | | | |
| Expected lifetime (hours) | 10000 | | | | |
| Warranty | 1 year | | | | |

| LASER HEAD | POWER SUPPLY (PSU-H-LED) | POWER SUPPLY (PSU-H-FDA) |
|--|--|--|
| <p style="text-align: center;">211(L)×88(W)×74(H) mm³, 1.6 kg</p> | <p style="text-align: center;">273.6 (L)×145(W)×106 (H) mm³, 2.3 kg</p> | <p style="text-align: center;">276.6(L)×145(W)×103.6(H) mm³, 2.3 kg</p> |
| POWER SUPPLY (PSU-H-OEM) | POWER SUPPLY (PSU-SR) | |
| <p style="text-align: center;">235(L)×110(W)×45(H) mm³, 1.1kg</p> | <p style="text-align: center;">188(L)×145(W)×83(H) mm³, 1.2kg</p> | |