

MPL-III-526.5/1~10uJ/1-50mW



LD PUMPED ALL-SOLID-STATE Q-SWITCHED LASER AT 526.5

All solid state Q-switched laser at 526.5nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in medical, scientific research, industry, etc.



SPECIFICATIONS

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| Central wavelength (nm) | | 526.5 ± 1 |
| Operating mode | | Frequency conversion of Q-switched pulsed laser |
| Single pulse energy (μJ) | | 1~10 |
| Pulse duration (ns) | | ~15 |
| Peak power (W) | | 70~660 |
| Rep. rate (kHz) | FIXED | Setting up one fixed rep. rate internal between 1kHz-4kHz with stable pulse energy, pulse duration and pulse period. |
| | EXT TRIG | 1kHz-4kHz by external trigger with stable pulse energy, pulse duration and pulse period. |
| | QCW | QCW state with one rep. rate between 4kHz-5kHz. |
| Average power (mW) | | Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz) |
| Ave power stability (over 4 hours) | | <3%, <5% |
| Transverse mode | | TEM ₀₀ |
| Warm-up time (minutes) | | <10 |
| M ² factor | | <1.2 |
| Beam divergence, full angle (mrad) | | <1.5 |
| Beam diameter at 1/e ² (mm) | | ~1.2 |
| Beam height from base plate (mm) | | 24.8 |
| Operating temperature (°C) | | 10~35 |
| Power supply (90-264VAC) | | PSU-III-FDA |
| Expected lifetime (hours) | | 10000 |
| Warranty period | | 1 year |



| MPL-III-526.5 | PSU-III-FDA |
|--|---|
| <p>140.5 (L) × 73 (W) × 46.2 (H) mm³, 0.6kg</p> | <p>171 (L) × 130 (W) × 62.2 (H) mm³, 1.2kg</p> |