

LTL1064S 1064nm DPSS Infrared Laser

Detailed Specification

| | |
|------------------------------------------|----------------------------------------------------------|
| Output Wavelength | 1064nm±1nm |
| Spectral Line Width | 0.1nm |
| Output Power | 10~1000mW |
| Beam Mode | TEM ₀₀ |
| Longitude Mode | Multiple |
| Operating Mode | CW |
| Mode Quality (M ²) | <1.2 |
| Beam Divergence, Full Angle | 2.0 ± 0.2mrad |
| Beam Diameter (1/e ²) @ Exit | 1.5 ± 0.2mm |
| Power Stability | 3% (rms, over 2 hours, T= 25°C) |
| Polarization, Linear | 100:1 |
| Modulation | Analog (10KHz) or TTL modulation (10KHz, 30KHzoptional) |

Leading-Tech Laser Co.,LTD

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Leading-Tech Laser has been the professional manufacturers and original suppliers of DPSS Lasers with top quality, unbeatable prices, prompt delivery and the best technical support and services for the customers all over the world.

Features

*Current visible
ESD protection
Power adjustable
LD temperature stabilized
LD current full protection*

OEM Service and Design

[1] 0.1mrad ~ 1.0mrad beam divergence is available upon request.

[2] Better Stability (<1% rms, over 2 hours, 25°C) or ultra-Stability (<1% rms, over 24 hours, 25°C) is available upon request.

[3] Removable Powell lenses or fibers is available upon request

[4] polarization maintaining fiber coupling or single mode fiber coupling is available upon request

[5] Non-Gaussian laser line output (fan angle: 7° ~90° , line uniformity best down to 10%) is available upon request

[6] 30KHz TTL modulation (0=laser off, 1=laser on) or 10KHz Analog modulation (0~5VDC) is available upon request.

[7]TTL+ (0=laser off, 1=laser on), TTL-(0=laser on, 1=laser off) is available upon request

Reliability

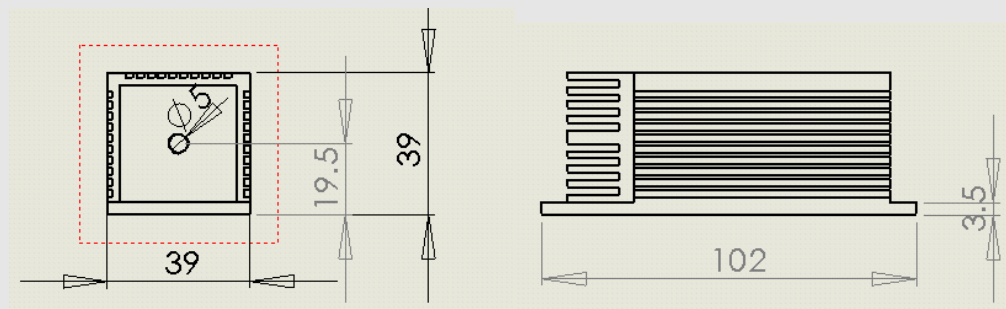
| | |
|-----------------------------|--------------|
| Warm Up Time | <10minutes |
| Operating Temperature, Case | 0°C ~ 40°C |
| Storage Temperature | -20°C ~ 60°C |
| Expected Operation Lifetime | 10000 hours |
| Warranty | 12 months |

Note: The Laser could be operated without extra heat sink. Do not restrict air circulation around the device; an additional heat sink can be used to maximize the performance and life time of the laser.

Mechanical Parameter

| | | | |
|----------------------------|--------------------|-------------------------|-----------------|
| Dimensions of Laser Head | 102 × 39 × 39mm | | |
| Weight of Laser Head | 0.5Kg | | |
| Power Supply | ADR-1800 | ADR-1805 | DDR-2012 |
| | FDA PSU | LED Current Visible PSU | 12VDC Driver |
| Dimensions of Power Supply | 150 × 110 × 48mm | 87 × 50 × 32mm | 105 × 72 × 30mm |
| Input Voltage | 85~240VAC, 50/60Hz | 85~240VAC, 50/60Hz | 12VDC |
| Weight of Power Supply | 0.6Kg | 0.1Kg | 0.1Kg |

Mechanical Drawing (Laser Head)



Mechanical Drawing (Power Supply)

