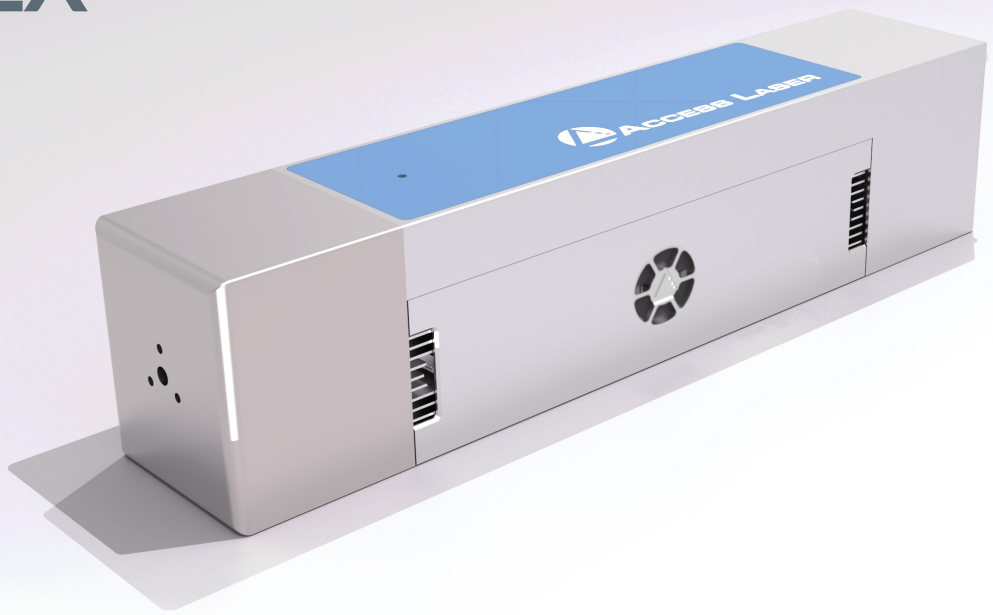
DATA SHEET

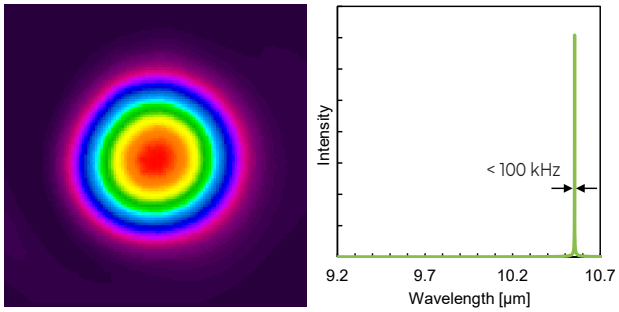
# SLX




## Laser Power

| | |
|---|---|
| Wavelength[*1] | 9.2 - 10.7 µm |
| CW Power | 1.0 W |
| Power Stability | ± 3 % |
| Duty Cycle | 0 - 100 % |
| Modulation Frequency | 0 - 100 kHz[*2] |
| Rise and Fall Time | 200 µs |
| Peak Power | 1.0 W |

Typical performance at 10.55 µm:




## Dimensions & Weight

| | |
|---|---|
| Laser Weight | 9.5 lbs |
| Dimensions L x W x H | 15.5 x 4.5 x 3.5 in |
| Controller Weight | 1 lbs |
| Controller Dim. L x W x H | 7.0 x 6.5 x 3.5 in |

## Beam Characteristics

| | |
|---|---|
| Beam Waist Diameter | 2.4 mm |
| Waist Location | Output Coupler |
| Mode Quality | $M^2 \leq 1.2$ |
| Full Divergence Angle | 5.5 mrad |
| Polarization | ≥ 50:1 Linear Vertical |

## Heat & Cooling

| | |
|---|---|
| Heat Dissipation | ≤ 100 W |
| Cooling Requirement | Fan Cooled Closed Loop |
| Working Temperature | 5 - 40 °C (non-condensing) |
| Storage Temp. Range | 5 - 50 °C (non-condensing) |

## DC Power Requirements

| | |
|---|---|
| Laser RF Driver (U \| I) | 12 V \| 4 A |

## Notes

Power Stability calculated by: $\pm \frac{P_{max}-P_{min}}{P_{max}+P_{min}}$

Beam specifications measured at: $\frac{1}{e^2}$

*[*1] Factory selectable. [*2] Maximum electronic frequency. Average or pulsed power may exceed listed value. All specifications are measured at the strongest line and are subject to change without notice. Stability measured after 45 minute warm-up to allow laser head to reach thermal equilibrium.*

ACCESS LASER
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