

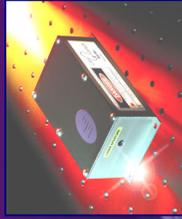


forte

1064-S – Single frequency laser

500 mW

The **forte 1064-S** is a single longitudinal mode laser, based on frequency selection in a linear cavity geometry. Housed in the same compact package as the **forte 1064** this system is ideal for OEM spectroscopy applications, or high-resolution laboratory experiments.



www.laserquantum.com

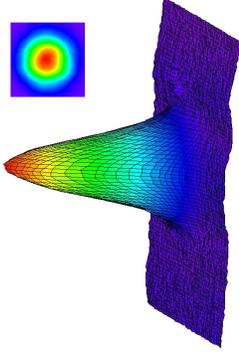
Laser Quantum

Laser Specifications	
Power	500 mW
Wavelength	1064 nm
Transverse mode	TEM ₀₀
Bandwidth	< 10 MHz
Divergence	< 1.5 mrad
M ²	1.2
Pointing stability	< 20 urad
Power stability (rms)	< 3 %
Noise (1 Hz – 100 MHz)	< 0.5 %
Polarisation ratio	> 100:1
Polarisation direction	Vertical

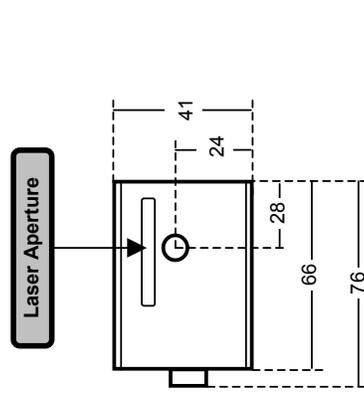
* Typically operates on a single longitudinal mode but may occasionally run dual-mode prior to a mode-hop

- Applications**
- Wafer inspection
 - Non-destructive testing
 - Optical tweezers
 - Spectroscopy

- Features**
- Single frequency
 - User variable power
 - Hermetically sealed
 - Compact package



SPATIAL PROFILE: TEM₀₀



DIMENSIONS
Laser Head (mm)
 Base footprint (L x W) 118 x 66
 Height 41
 Beam height 24

Mounting Holes (mm)
 Diameter 4
 Separation (side to side)* 50
 Separation (front to back)* 112

*measurements from hole centres

WEIGHT
 Laser head (Kg) 0.4



PSU options

Id 3000
idu 3000
dcd 3000

Laser Quantum's scientific & industrial lasers are certified to comply with:

IEC 60825

and

Federal Regulations (21 CFR -Subchapter J) as administered by Center for Devices & Radiological Health on all systems ordered for shipment after August 2, 1976



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