

LASOS® **DPSS laser series**

Directly frequency-doubled solid state laser
5 mW output at 320 nm



DLK 2005 TS

- Single frequency
- Outstanding long term stability
- Excellent beam quality
- Reliable and robust
- Compact design
- Suitable for OEM applications
- Customization on request



Directly frequency-doubled solid state laser

DLK 2005 TS Specifications:

LASOS® DPSS laser series

The LASOS® DPSS laser series provide excellent beam quality in a variety of wavelengths based on the latest progress in solid state laser technology.

The recently introduced DLK 2005 TS offers a reliable and compact single frequency laser source in the UV.

The LASOS® DPSS laser series provide the ideal products for applications in:

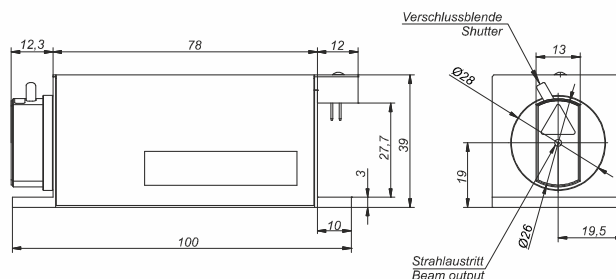
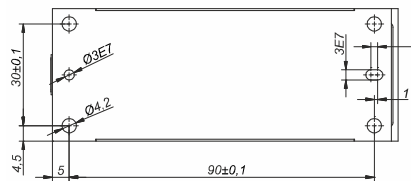
- Spectroscopy
- Interferometry
- Confocal and fluorescence microscopy
- Bioanalytical research
- Particle measurements
- Metrology
- Industrial measurements
- Medical
- Science and education

Customized solutions for specific applications are possible

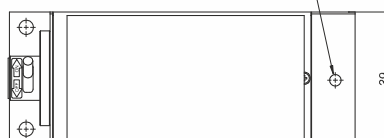
Wavelength	319.8 nm ± 0.3 nm
Wavelength stability (8 h)	±0.002 nm
Spectral Linewidth	< 5 MHz
Output power	5 mW
Output power stability within 8 h	±1.0 %
Noise 10 Hz ... 20 MHz	≤ 2.0 % rms
Warm up period	< 10 min
Transversal mode M ²	≤ 1.2
Beam waist diameter (1/e ²)	0.7 mm (0.32 mm on request)
Beam ellipticity	0.9 ... 1.1
Pointing stability	< 6 μrad K ⁻¹
Beam divergence	≤ 1.2 mrad
Polarisation ratio	≥ 200:1
Expected lifetime	5000 h

Options on request

Dimensions:



Emissionskontrolleuchte
Emission control



LASOS

For worldwide photonics

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