Calibration Source

Nd:YAG

HighFinesse
Laser and Electronic Systems

Main parameters

Nominal output wavelength	532 nm & 1064 nm (several lines of I2 at 563.3 ± 0.3 THz are available for locking)
Output power	> 5 mW at both wavelengths (free beam)
Output polarization	linear, close to vertical at 532 nm, close to horizontal at 1064 nm
Mode distribution	TEM_{00q}
Relative frequency stability (τ > 1 s)	10^{-10}
Relative frequency reproducibility not worse than	2×10^{-10}
Warming up time	30 min.

Additional Information

Tuning range at 532 nm	700 GHz
Temperature tuning rate	- 20 GHz/ °C
FSR	~ 2.5 GHz
Sensitivity of PZT-F (at 532 nm)	~ 1 MHz/V
Operational bandwidth of PZT-F	DC … 30 kHz
Sensitivity of PZT-S (at 532 nm)	10 MHz/V
Operational bandwidth of PZT-S	DC … 1 kHz

Further Information

For further technical information, application examples, diagrams
and for customisation of calibration sources please contact:

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