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ABOUT US



SILENTSYS ultralow noise systems

PHOTONICS - ELECTRONICS - THZ/GHZ



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PRODUCTS & SERVICES

BOOST YOUR LAB WORK WITH SIMPLICITY







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PHOTONIC - ELECTRONIC - THz/GHz



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PHOTONIC - ELECTRONIC - THz/GHz









Output voltage proportional to freq. fluc. Large wavelength range (typ. > ±50nm) Low optical power required (typ. 100µW) Unpolarized input light is possible Enable Hz-level optical linewidth Fiber coupled (FC/APC)









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OFD - PERFORMANCES

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(A) : Temperature fluctuations, when stabilized, of the OPTICAL REFERENCE measured during over 25h.

(B) : Measurements using the OPTICAL REFERENCE of the frequency noise PSD of a diode laser emitting at 1.5 μ m in a free-running mode and when frequency stabilized to an ultra-stable optical cavity.

(C) : Measurements of the frequency noise PSD of a solidstate laser emitting at 1 μ m in a free-running mode and when frequency stabilized to the OPTICAL REFERENCE.





ultralow

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Looking forward to meet your needs !





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