

Low group delay dispersion quarter wave retarder



Kauai (UFI Innovations) is a quarter-wave retarder operating over a broad spectral range from 650 to 1400 nm, with a reflectivity of up to about 90% and a low group delay dispersion below 3 fs^2 . Its compact reflective design preserves the beam direction and facilitates integration into existing optical setups. It is intended for use in high-performance laser systems, including ytterbium-based sources.

www.ultrafast-innovations.com/devices/KAUAI.html

ULTRA-LOW NOISE MICROWAVE SYSTEM



TOPTICA Photonics introduces the X-MMS (X-band Metrological Microwave Solution), a system designed to generate ultra-low-noise microwave signals. Based on a photonic approach, it derives a 9.6 GHz signal from a highly stable optical reference using optical frequency division, enabling high spectral purity and stability.

www.toptica.com

Optical Frequency Discriminator



SILENTSYS introduces the OFD-PRO, its next-generation Optical Frequency Discriminator. This system characterizes and stabilizes laser frequency noise, reducing linewidth (FWHM) with enhanced environmental resistance (40x less temperature impact, 10x less vibration sensitivity), plug-and-play servo-control, and 19-inch rack compatibility. It achieves

sub-MHz stabilization over long timescales for 200 THz optical carriers.

<https://silentsys.com/>

SINGLE-MODE VCSEL

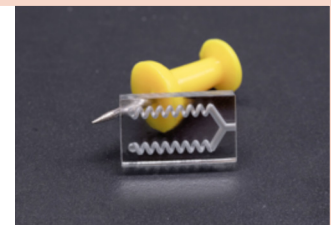


Brightlaser's 660 nm single-mode VCSEL excels in precision applications, offering stable linear polarization, high spectral purity, and excellent beam quality. With output

power up to 2 mW, a linewidth $<100 \text{ MHz}$, SMSR $>30 \text{ dB}$, and PER $>20 \text{ dB}$, it is ideal for FTIR spectroscopy, medical OCT, and industrial metrology.

www.lasercomponents.com/fr/photronics-portal/actualites/vcsl-monomode-a-660-nm-avec-polarisation-stable/

Transparent photopolymer for 3D printing



Boston Micro Fabrication launches BMF Clear, an

optically transparent photopolymer resin for micro-precision 3D printing, offering $>90\%$ light transmittance and micron-level accuracy. Ideal for microfluidics, photonics, and biomedical devices, it enables complex, internally structured components previously unachievable with additive manufacturing. Compatible with BMF's $10 \mu\text{m}$ and $25 \mu\text{m}$ systems, it supports scalable production of micro-optical features like lenses, waveguides, and lab-on-a-chip systems.

www.bmf3d.com

Experience matters!



LASEROPTIK is a manufacturer of high LIDT laser optics and coatings from VUV to IR.

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- Extremely low loss laser optics
- Space optics