

Low-loss tunable optical modules for island applications

Preview

These tunable filters are based on two proprietary technologies that utilize athermal multi etalon cavities or gratings, offering attractive features of covering near all wavelength, very low loss, unparallel low cost, set-and-hold operation, wide tuning range, ultrabroad. These tunable filters are based on two proprietary technologies that utilize athermal multi etalon cavities or gratings, offering attractive features of covering near all wavelength, very low loss, unparallel low cost, set-and-hold operation, wide tuning range, ultrabroad. We produce a wide range of single-mode (SM), multimode (MM), and polarization-maintaining fiber (PM) fiber coupled tunable filters with industry-leading performance and value. The lasers exhibit a tuning range of > 30 nm centered at 1550 nm, with distinct mode-islands and high side-mode suppression ratio. The tuning of these devices rely on a reverse-voltage controlled. Our photonic integrated circuit-based tunable laser has a unique combination of wavelength accuracy, tunability and high output power. The product can access any desired frequency set-point in the C-band or L-band. Output power can be set as low. Use 25+ X-Series applications to analyze, demodulate, and troubleshoot signals across wireless, aerospace/defense, EMI, and phase noise. With extra memory and storage, these enhanced NPBs run Keysight's AI security and performance monitoring software and AI stack. They deliver superior performance whatever your application. Discover our industry-leading.

Tunable, Low Optical Loss Strontium Molybdate Thin Films for Plasmonic Applications Matthew P. Wells*, Bin Zou, Brock Doiron, Rebecca Kilmurray, Andrei P. Mihai, Rupert F.

Designed for use in swept or stepped wavelength testing, our tunable lasers feature exceptional stability, low noise, and fine-tuning control -- making them ideal for

The Pure Photonics full-band tunable laser solution provides a narrow linewidth (~10 kHz), reduced low-frequency AM and FM noise and a range of operating modes in this low-noise setting.

A frequency-tunable laser based on a hybrid silicon nitride and lithium niobate integrated photonic platform has a fast tuning rate and could be used for optical ranging applications.

A novel continuously tunable lowpass filter (LPF) with compact size, sharp roll-off and low insertion loss is presented in this paper. The filter employs two varactor diodes, a pair of open-ended

We have designed, fabricated and tested a fiber-pigtailed tunable filter suitable for optical communications, based on a Fabry-Perot cavity with silicon-air PBG mirrors. A free space beam

Low-loss tunable optical modules for island applications

We propose and demonstrate a programmable low-loss 16-channel silicon-based microwave photonic signal processor using elliptical microrings and delaylines. The elliptical microrings offers flat-top

> Tunable Optical Filters Networking Tunable Optical Filters Prevent multichannel crosstalk with minimum attenuation of the signal using these 100 and 50 GHz

Optoplex's Tunable Optical Filter is based on a patented micro-optic design and thin-film interference filter coating technology. The thin-film filter used in tunable

They deliver superior performance whatever your application. The use of bulk optics in combination with diffraction gratings leads to high selectivity, low insertion losses and dispersion. Discover our industry

Our photonic integrated circuit-based tunable laser has a unique combination of wavelength accuracy, tunability and high output power. The ultra narrow

This paper provides an extensive review of integrated optical tunable delay lines (OTDLs) and microwave photonic (MWP) beamforming chips. It

FS's 10G Tunable DWDM SFP+ Modules offer flexible, high-performance optical solutions for data centers, MANs, and cloud networks, enhancing bandwidth and resource efficiency.

Integrated Optical Tunable Delay Line and Microwave Photonic Beamforming Chip: A Review Shangqing Shi, Hongsheng Niu, Wenhui Shi, Dongdong Lin, Simin Li, Shilong Pan, and

Abstract: A technique for tunable filters with low insertion loss and narrow bandwidth is proposed in the form of comb-line structure.

Pilot Photonics' tunable lasers are InP monolithic single mode lasers in the C-band and O-band. The lasers exhibit a tuning range of > 30 nm centered at 1550 nm, with distinct mode-islands

Web: <https://kremgroup.co.za>

