

Tunable Lasers

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Lasers 10026 Optoelectronics Lecture 36: DBRs, Waveguiding, Power Combining (Cornell ECE4300 Fall 2016)**LASER Fabry-Pérot Cavity Explained**
Tunable Lasers
A tunable laser is a laser whose wavelength of operation can be altered in a controlled manner. While all laser gain media allow small shifts in output wavelength, only a few types of lasers allow continuous tuning over a significant wavelength range. There are many types and categories of tunable lasers. They exist in the gas, liquid, and solid state. Among the types of tunable lasers are excimer lasers, gas lasers, dye lasers, transition metal solid-state lasers, semiconductor crystal and diod

Tunable laser—Wikipedia

Tunable Lasers. Overview. Laser Lines offers a range of tunable laser systems based on optical parametric oscillators (OPOs) from Radiantis. At the forefront of technological development, Radiantis are a specialist manufacturer of advanced frequency conversion systems for laser tuning from 200 to 4000 nm. They include fully-automated, compact & reliable systems or separate OPOs and harmonic generators for use with existing lasers.

Tunable Lasers—Laser Lines

Tunable laser oscillators without intracavity beam expansion are those laser resonators in which the intrinsic narrow beam waist at the gain region is not expanded using intracavity optics.

Tunable Lasers—an overview | ScienceDirect Topics

Tunable Lasers (OPO, Dye, etc.) Within our tunable lasers product range you will find a broad range of tunable dye lasers from Sirah - the world's leading manufacturer of pulsed dye lasers. Here you will find a variety of dye lasers to suit a range of applications.

Tunable Lasers (OPO, Dye, etc.) products—Photonic

Tunable lasers enable research in the fields of spectroscopy, molecular detection and imaging. This includes applications such as industrial process controls, the detection of biomarkers in the breath, cellular imaging, and the detection of chemical and biological agents.

Tunable Diode Lasers | External Cavity Design | Fast...

Tunable Lasers Widely Tunable Lasers. A few solid-state bulk lasers, in particular titanium—sapphire lasers and Cr:ZnSe and Cr:ZnS... Wavelength-swept Lasers. There are certain Juniper lasers which are optimized such that the output wavelength can be... Applications of Tunable Lasers. In laser ...

RP Photonics Encyclopedia—tunable lasers, wavelength tuning

Lasers. We design and manufacture advanced photonics tools for use in science, industry and education. Our lasers have enabled breakthroughs in quantum technology, biophotonics and chemical sensing and have been used by sectors as diverse as aerospace, defence, oil and gas, healthcare, food and drink. Known for their reliability and ease-of-use, our products such as SoliTiS, Sprite and Firefly are the tools of choice for researchers and innovators everywhere.

Tunable Lasers, NI & MW Tunable Laser Sources

Tunable Wavelength Femtosecond Laser System. Tunable wavelength femtosecond OPCA system. 700 to 1010 nm, 375 – 480 nm, 250 – 320 nm and 210 – 230 nm tuning. Up to 3 mJ pulse energy at 1 kHz repetition rate. Perfectly synchronized fs and ps outputs option. Download.

Tunable Wavelength—Ekspla

New Focus tunable diode lasers are single mode, narrow linewidth & mode-hop-free over the specified tuning ranges. Our tunable lasers are used in laboratory and industrial environments and as OEM components and subsystems.

Tunable Laser—Newport

ID Photonics manufactures tunable Laser solutions for test applications. Our CoBrite Series provides a solution for a wide range of coherent T ransmission testing applications from single up to 104 light sources within one system. Our IQ multi-format Transmitter support generation of signals like -nQAM with high bandwidth and linearity.

ID Photonics—Solutions for Coherent System Testing

CoBrite MX - The modular Tunable Laser Platform with the widest choice of Tunable Laser Modules in the Industry The CoBrite MX series is a 19 " mainframe based system which utilizes slide-in cards housing 4 CoBrite lasers each to flexibly adjust to any channel count required.

CoBrite Tunable Laser—ID Photonics

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Tunable Lasers 1138 Tunable Lasers from 91 Manufacturers meet your specification. Tunable Lasers from the leading manufacturers are listed here. Narrow down on the list of Products by wavelength, type, technology and other parameters.

Tunable Lasers—GoPhotonics

Tunable Lasers Thorlabs' selection of tunable lasers includes benchtop external cavity diode lasers with wide tuning ranges, half butterfly gain chips, and spectroscopy kits. C-Band and L-Band Tunable Lasers, Benchtop. MEMS-VCSEL Swept Sources. Tunable Ti:Sapphire Laser for Multiphoton Imaging.

Tunable Lasers—Thorlabs

Tunable/Swept Bandwidth Lasers at New Wavelengths Although SuperLuminescent Diodes (SLDs) are the main business of Superlum Diodes, the company also offers tunable/swept bandwidth lasers called " Broadsweepers ". Superlum introduced the first compact OEM version of Broadsweeper at 840 nm with 75 nm tuning/sweeping bandwidth two years ago.

tunable lasers Archives | IL Photonics

Many laser applications depend on the ability of a particular laser to be frequency tunable. Among the many different types of frequency tunable lasers are: dye lasers, excimer lasers, and semiconductor lasers.

Tunable Lasers Handbook—1st Edition

Many laser applications depend on the ability of a particular laser to be frequency tunable. Among the many different types of frequency tunable lasers are: dye lasers, excimer lasers, and semiconductor lasers.

Tunable Lasers Handbook | ScienceDirect

TUNABLE PULSED LASERS Integrated Nd:YAG pumped Type II BBO OPO laser systems with either DPSS or lamp pump source. Continuous tuning range 410-1064nm and 1064-2600nm. Linewidth < 4cm -1.

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