

Fiber Optic Spatial Optical Modulator



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The fiber-coupled integrated optical modulators from Jenoptik are ideal for the amplitude or phase modulation of laser light. You can cover wavelengths of between 500 and 1.750 nanometers. The ...



We introduce the first efficient, optically controlled QPM in perturbative nonlinear optics, achieved through temporal modulation of counter-propagating pump waves.



While a standard phase modulator affects the optical phase of the entire beam, a spatial light modulator (or wavefront modulator) can apply spatially varying phase ...



We present a novel fiber-optic confocal microscope in which the scanning operation is achieved by use of a spatial light modulator (SLM) to sequentially illuminate individual fibers or patterns of multiple fibers.



A spatial light modulator (SLM) is a pixellated liquid crystal device that can individually control the phase value of each pixel. It imposes spatially varying modulation onto an incident beam, allowing for the ...



AeroDIODE has developed the fiber modulator — a high-speed intensity modulator and optical switch based on a semiconductor optical amplifier (SOA). It is available over a wide wavelength range from ...



Our SLMs support free-space optics, modulators for continuous wave (CW) sources, and advanced temporal light control. Integration with IR receivers, IR remotes, or ...



All optical networks can transmit by coupling spatial optics into an optical fiber. This technology can simplify optical wireless communication and improve its communication rate.



SOM maintain the narrow optical linewidth of an input CW signal while producing very short pulses. It is the only solution meeting all the constraints for a reliable, stable and efficient fiber-coupled intensity ...



Overview: Fiber optic communications have long been of interest, but more recently the technology is being coupled with SLMs for imaging deep in tissue where scattering would otherwise prevent optical ...



h a demonstrated wide range of applications, especially in optical systems. Among the various spatial light modulator (SLM) technologies, e.g., liquid crystal (LC), magneto-optic, deformable mirror, ...



A reflective all-fiber optical current transformer based on a spatial non-reciprocal phase modulation technique is investigated by theoretical analysis and experimental measurement.

Contact Us

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