FRINDEL OPTICS

Sino-European dual-optical-two-electric switch model

Sino-European dual-optical-two-electric switch model

Broadband and Reconfigurable Dual-Mode Optical Switch with Low

A dual-mode optical switch is proposed that can realize arbitrary combinations of E11 and E21 modes from the two output ports with low power-consumption in broadband. The switch can be

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Dual-channel optical switch, refractive index sensor and slow light

Based on the behavior of two tunable filters, we propose a concept of dual-channel optical switch which including four states by tuning the Fermi level of graphene. With the above benefits, the proposed

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Schematic of (a) dual-mode 2 × 2 electro-optic switch, (b) ?/2 phase

In this Letter, we demonstrate a dual-mode 2 × 2 electro-optical switch on a silicon-on-insulator platform.

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Compact non-volatile multilevel Sb2Se3 electro-optical switching in

This theoretical modeling and simulation paper presents designs and projected performances of two non-volatile, broadband, on-chip 2 × 2 electro-optical switches based upon the

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Dual Axis Galvanometer Optical Scanners

Sino-galvo Dual Axis Galvanometer Optical Scanners are the new generation of optical scanners and are widely applied to various photorealistic 3D digital laser

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(PDF) High-performance and power-efficient 2×2 optical

Then we discuss the principles of thermo-optical switches, including the thermo-optic effect, the trade-off between switching time and power

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Polymeric electrooptic 2/spl times/2 switch consisting of bifurcation

We interpret the modified bifurcation optically active waveguide switch structure for a polymeric electrooptic (EO) 2/spl times/2 switch. PEI-DR1, UFC150, and Resole HM2 were used as

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The world's first 100 mW optical power x 16-channel

Furukawa Electric Co., Ltd. developed the world's first 16-channel ELS employing a blind mate optical connector for the realization of next

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(PDF) Review of 2 × 2 Silicon Photonic Switches

Thus, this review article mainly focuses on the principle and state of the art of 2 × 2 silicon photonic switches, including electro-optic switches, thermo

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High-speed two-mode switch for mode-division multiplexing optical

In summary, we propose and experimentally demonstrate a novel optical two-mode switch with a relatively high switching speed for mode-division multiplexing system applications.

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An electro-optic 3x3 switch based on integrated Mach-Zehnder

The switching between the ports is achieved by an electro-optic effect within such structure. Voltage, applied to the electrodes deposited on the integrated Mach-Zehnder

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A new latched 2 × 2 optical switch using bi-directional movable

Combining a new H-beam actuator, movement link structure, reflective micro-mirror, and arched buckle spring to demonstrate a new compact latched 2 × 2 optical switch device is first

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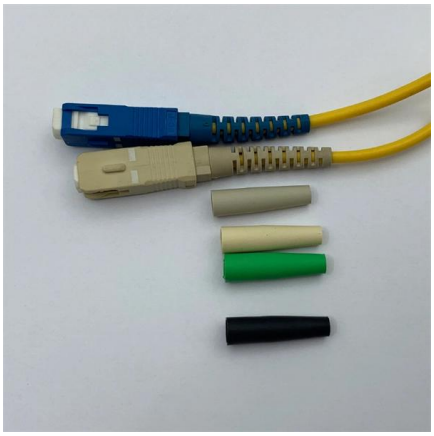

Optical model development in China: Soukhovitskii's contributions

The optical model plays a key role in the calculation of nucleon scattering data. The coupled-channel OPTMAN code developed by Efrem Sh. Soukhovitskii and colleagues is gradually

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Optical microscope image of the fabricated (a) dual-mode EO switch,

In this Letter, we demonstrate a dual-mode 2 × 2 electro-optical switch on a silicon-on-insulator platform.

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Helios: a hybrid electrical/optical switch architecture for modular

We present Helios, a hybrid electrical/optical switch architecture that can deliver significant reductions in the number of switching elements, cabling, cost, and power consumption relative to recently

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Dual-mode 2 × 2 electro-optic switch on a SOI platform.

In this Letter, we demonstrate a dual-mode 2 × 2 electro-optical switch on a silicon-on-insulator platform. The dual-mode Mach-Zehnder interferometer switch comprises of four p-i-n phase

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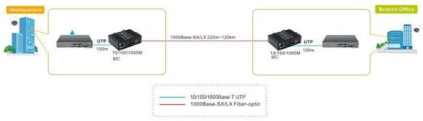

(PDF) Low-power 2×2 silicon electro-optic switches

We propose and experimentally demonstrate a low-power 2×2 silicon electro-optic (EO) switch consisting of a double-ring assisted Mach-Zehnder

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Broadband and Reconfigurable Dual-Mode Optical Switch with Low

For the proposed dual-mode optical switch, three asymmetric Y-junctions are used as mode (de)multiplexers, two Mach-Zehnder interferometers form a single-mode switch matrix, and a 2 × 2

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1 × N (N = 2, 4) dual-mode optical switch based on multimode

Abstract This paper presents the design and demonstration of 1 × N (N = 2, 4) dual-mode optical switches on a silicon-on-insulator platform, optimized for mode division multiplexing (MDM).

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(PDF) High-speed two-mode switch for mode-division

This two-mode switch could enable on-chip mode-based switching network topology for greater aggregated throughput capacity.

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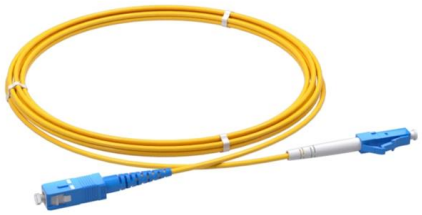

All-fiber, all-optical ultrafast switch based on two-dimensional

We present an all-fiber, all-optical modulator based on a polarization interferometer structure depositing with two-dimensional nanomaterials. Bright and stable modulated output signals can be achieved

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Dual-mode 2 × 2 electro-optic switch on a SOI platform

In this Letter, we demonstrate a dual-mode 2 × 2 electro-optical switch on a silicon-on-insulator platform. The dual-mode Mach-Zehnder

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Dual-mode 2×2 electro-optic switch on SOI Platform , CoLab

In this Letter, we demonstrate a dual-mode 2 × 2 electro-optical switch on a silicon-on-insulator platform. The dual-mode Mach-Zehnder interferometer switch comprises of four p-i-n phase

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Transmission spectra of the dual-mode EO switch for

In this Letter, we demonstrate a dual-mode 2 × 2 electro-optical switch on a silicon-on-insulator platform.

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