Optics & Photonics

Indzawo Optic Connect

New Optical Power Splitter

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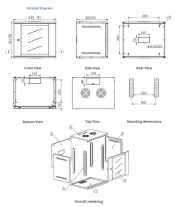
Here, we introduce a 2 × 2 power splitter on an AlGaAs-on-insulator (AlGaAsOI) platform. The proposed device is based on two 2 × 2 50/50 multimode interference (MMI) splitters connected ...

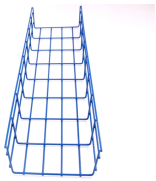
Fiber Couplers/Splitters/Combiners We offer a full line of fiber optic couplers and splitters supporting SM, MM, PM, large core, and double-clad fibers across 300–2000 nm, with power handling up to 100 W ...

This paper presents a new design for a 1 × 4 optical power splitter using multimode interference (MMI) coupler in silicon nitride (Si3N4) strip waveguide structures.



Versatile optical devices with smaller space footprint are crucial for integrated optics. In this work, we design a dual-waveguide power splitter with adjustable splitting ratio depending on the ...

Tunable optical power splitters significantly enhance the flexibility of PICs, expanding their range of applications. Power splitters based on multimode interference (MMI) structures have gained ...



Digital Optical Audio Splitter 1 in 3 Out SPDIF Toslink Optical Splitter with Independent Channel Switch, Support Up to 192k/24Bit Compatible with LPCM2.0/DTS/Dolby-AC3 5.1 Channels

Abstract This work presents an ultra-compact three-way power splitter designed for photonic integrated circuits using topology optimization driven by a custom-developed genetic ...

PoF optical power splitters enable centralized, scalable power and data delivery in SMB fiber networks, simplifying deployment and extending reach.

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This paper proposes and demonstrates a new design for a 3-dB optical power splitter with curvature optimized adiabatic taper which can achieve ultra-broadband operation, low loss, compact, ...

The configuration below has individual splitters at a central location, but addresses that are typically not reconfigurable by jumpers, so this configuration is a “distributed” split.

Contact Us

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