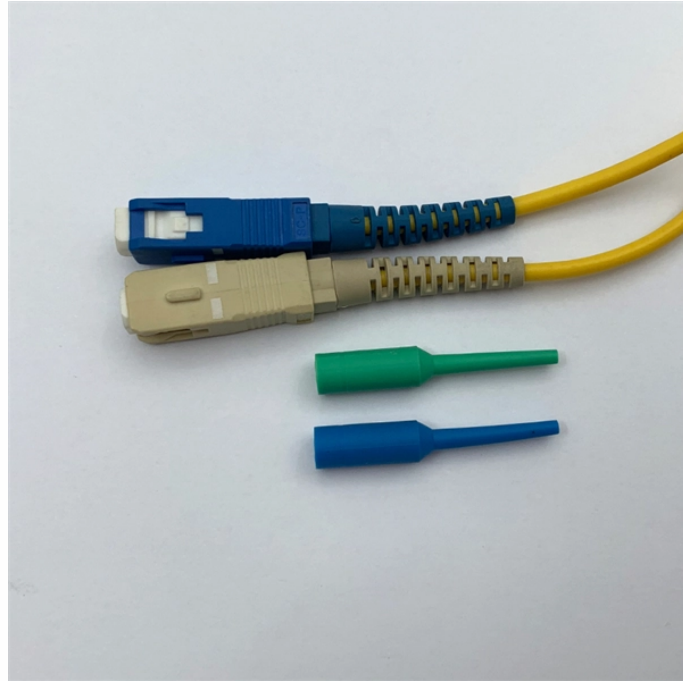


# Bidirectional Modulation Optical Modulator



## Bidirectional Modulation Optical Modulator



In this letter, we have proposed a method for measuring the chromatic dispersion and the absolute time delay of optical fiber by using bidirectional modulation of Mach-Zehnder modulator...



We explore the integration of smart pixel light modulators (SPLMs) into bidirectional optical neural networks (BONNs), highlighting their advantages over traditional spatial light modulators (SLMs).



Abstract: We proposed and demonstrated a novel optical modulator based on a bidirectional grating coupler designed for perfectly vertical fiber coupling. The grating functions as the fiber...



In this paper, we propose a bidirectional transmission system with an OSSB modulation scheme of downlink transmission by employing the SBS effect of the fiber and an injection-locked distributed ...



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It provides a detailed assessment of each technique's working principles, advantages and limitations, and potential applications in cutting-edge photonics. Additionally, it covers relevant topics ...



We have proposed a simple method for measuring the chromatic dispersion and the time delay of optical fiber by using bidirectional modulation of a Mach-Zehnder modulator.



We report, for the first time, experimental results on the simultaneous operation of two independent optical channels in a bidirectional configuration in a single electrooptical modulator.



We present a simple way to enhance bidirectional broadband modulation in a traveling wave Mach-Zehnder electro-optic modulator (EOM) by ...



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We present a detailed study of the design and performance of the bidirectional optical single-sideband modulator (BOSSM). This is a new scheme to achieve optical single-sideband modulation (OSSB) ...



We present a simple way to enhance bidirectional broadband modulation in a traveling wave Mach-Zehnder electro-optic modulator (EOM) by removing matched impedance and effecting ...

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