

Where to find Huawei slow light modulators



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To suppress RF wavefront distortion and optimize high-frequency electro-optic performance, we utilize air-bridge structures in the U-turns of the traveling-wave electrodes.



Owing to enhanced light-matter interaction in the slow-light region, an increased slope efficiency is observed in the modulator. By selecting the optimal DC bias to the grating and the reference arms of ...



Recently, Mach-Zehnder modulators based on thin-film lithium niobate have attracted broad interest for their potential for high modulation bandwidth, low insertion loss, high extinction ratio, and high ...



Here, we demonstrate a compact pure silicon modulator that shatters present bandwidth ceiling to 110 gigahertz. The proposed modulator is built on a cascade corrugated waveguide ...



Thin-film lithium niobate (TFLN) modulators, characterized by their large theoretical bandwidth, low half-wave voltage, and suitability for high-density integration, show great application ...



Here, we theoretically propose and experimentally demonstrate a design strategy for silicon modulators by employing the slow light effect, which shatters the present bandwidth ceiling of silicon modulators ...



Design of slow-light silicon modulator with ultrahigh bandwidth and compact size. (A) The detailed device geometry and doping configuration of the slowlight silicon modulator.



Low-loss, high-speed and efficient optical modulators on a silicon platform are demonstrated.



Integrated Mach-Zehnder modulators are key components in silicon photonic devices, which rely on a reverse-biased p-n junction to modulate the optical signal via



An optical interferometer is formed with the incoming light split, experiencing phase shifts through the two paths, and then recombined. If the phase shift between the two waves is 0° , then there is ...



We demonstrate a slow-light MZM with segmented slow-wave electrodes based on hybrid integrated TFLN and SiN platforms. By employing the slow light in the topological waveguides and...

Contact Us

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