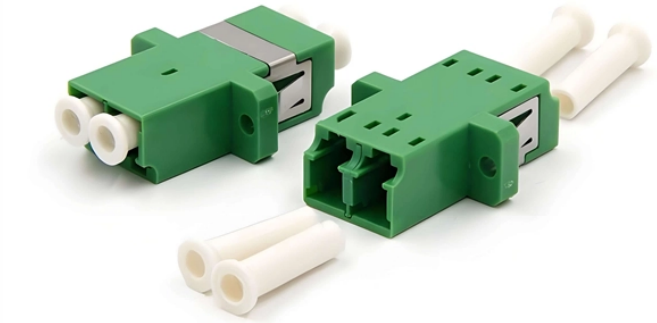
Compatible Low-Loss Silicon Photonics Technology Liechtenstein Supplier



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Search for and compare optical components from manufacturers around the world, or for custom jobs we''ll match you with an industry expert service provider.

We offer access to nitride-based photonics in different ways: LPCVD low-loss SiN, CMOS-compatible PECVD SiN and co-Integrated Si/SiN. Whether for research or product development, such ...

“High-performance Hybrid Lithium Niobate Electro-optic Modulators Integrated with Low-loss Silicon Nitride Waveguides on a Wafer-scale Photonics Platform” (Preprint, 2025)

Here, we present a single-step deposited, DUV-based subtractive method for producing wafer-scale ultra-low loss Si3N4 PICs that harmonizes these necessities.

Figure 1: History of silicon nitrde thin films in microelectronics and evolution of the photonic circuit technology based on ultra low loss silicon nitride waveguides as developed by the Kippenberg group ...

New techniques are needed to maintain the state-of-the-art losses, nonlinear properties, and CMOS-compatible processes while enabling this next generation of 3D silicon nitride integration.

Our Ultra-Low Loss Platform components are compatible material with a large transparency window raging from visible to near IR wavelengths and can achieve low propagation losses while maintaining ...

Many optical functions can be integrated in a PIC ranging from a simple beam combiner to a fully integrated optical frequency comb. LIGENTEC''s technology addresses today''s challenges of ...

Our wafer-scale supply chain and multi-chip integration—combining silicon photonics, CMOS ASICs, and InP components—enable a robust, scalable manufacturing process and deliver exceptionally low ...

Through engineering excellence and customer-focused services, we enable products based on integrated photonics. LIGENTEC provides open-access to its mature modular technologies for low ...

Contact Us

For more information, pricing, or custom network solutions, please contact us:

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