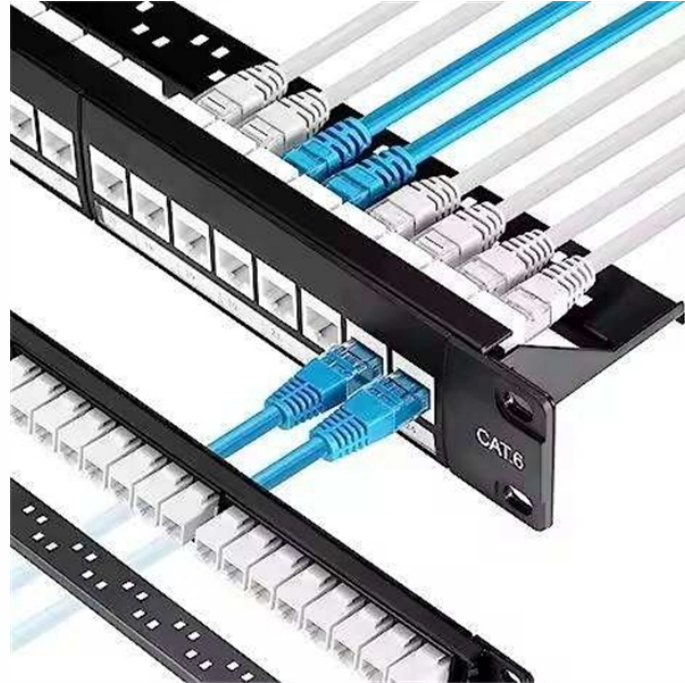


Fiber Optic Coupler Chip



Fiber Optic Coupler Chip



We report an efficient fiber-chip coupler based on photonic jet (PJ) and operated at 1.55 μm wavelength. The coupler is composed of a micron-sized cone embedded in a SiO₂ cuboid. The ...



The title — “On-chip optical fiber-to-nanophotonic waveguide adiabatic coupler” — is technically precise to the point of being deliberately understated. What it describes is a solution to a ...



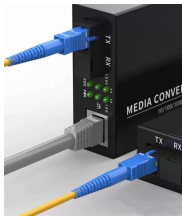
solutions for PM fiber connections. Most widespread packaging solutions for PM fibers rely on micro lens assemblies and some recent work on angle thin polished PM fiber connection uses on chip gratings ...



In this research, we present cantilever couplers for fiber-to-chip and chip-to-chip light coupling. Cantilever couplers enable broadband and low loss light coupling to photonic integrated circuits on ...



In this paper, we propose and theoretically investigate a novel edge coupler based on an all-dielectric double-layer metasurface (DLMS), designed to overcome these limitations.



Based on this end-face coupling scheme, Zhongshan MEISU provides fiber arrays of any fiber counts with single-mode fiber, multi-mode fiber, or polarization-maintaining fiber.



To leverage the benefits of fiber optics at the chip level, light traveling in fibers needs to be efficiently coupled in and out of chips. Coupling electromagnetic light waves from a fiber to a chip is ...



This study focuses on the design and simulation of the GRIN coupler in the context of fiber-to-chip and chip-to-chip coupling. The simulations evaluated the coupling loss, 1-dB and 3-dB ...



We present an integrated optical chip (IOC) featuring a low-loss and compact waveguide coupler for miniaturized interferometric fiber optic gyroscopes (IFOGs).



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