

Danish supplier of compatible low-loss low-power optical modules



Overview

Our optical modules feature traditional DPO, low-power LRO, LPO, and Active Loopback designs for testing, and support data rates from 10G up to 1.6T across a wide range of package types. SPIO Systems offers low cost, scalable contract manufacturing of optical devices based on our Stacked Planar Integrated Optics technology. Our technology enables high level optical data processing. Are you in need of advanced optical modules?

Work with SPIO Systems as your turn-key supplier of. An LPO (Linear Pluggable Optics) solution offers considerable power savings for optical interconnect by removing the digital signal processing (DSP) function from the pluggable optical module. The idea is simple: instead of a DSP (digital signal processor) inside the module – replacing it with transimpedance amplifier (TIA) and a driver chip with high linearity and EQ capability – LPO shifts signal processing into. LAYERTEC has dealt with the reduction of optical losses for many years and knows about the typical values of absorption and scattering in the NUV, VIS and NIR spectral range., a leader in advanced integrated photonics technologies, today introduced its NPG102 PIC transmitter on chip

(TOC).

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LAYERTEC GmbH provides high-quality optical components and coatings for demanding laser applications. Discover our custom solutions for industry, research, and other fields.



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.



This innovation delivers up to 30% lower power consumption, reduced latency, and simplified thermal management — perfect for high-density fabrics and AI workloads.



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Proven low-power options: Wolon's Low-Power optical modules line is engineered to cut per-port power by a significant margin while keeping full protocol compatibility.



NewPhotonics is a fabless semiconductor designs, develops and manufactures photonic integrated circuit (PIC) solutions for AI-era data center optical communications. Our integrated ...



LPO modules are built for short-reach, high-density connections where efficiency and low latency matter most. In AI/ML clusters and GPU fabrics, removing DSP delays improves synchronization during ...



The LPO MSA develops electrical and optical interoperability specifications for a diversity of high-density networking equipment and pluggable optical modules based on LPO technology

Contact Us

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

Website: <https://www.gdroofing.co.za>

Email: sales@gdroofing.co.za

Phone: +27 72 418 9365

Address: 22 Electron Avenue, Isando, Johannesburg, 1600, South Africa

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