EpiPhotonics pioneers the design and manufacture of efficient PLZT photonic components and subsystems for advanced optical applications. EpiPhotonics' unique and proprietary epitaxial PLZT waveguide technology based on 20 years of R&D features radical performance gains compared to traditional technologies in terms of speed, power consumption, integration, dimensions, and robustness.

Leader in waveguide technology

PLZT is the most attractive electro-optic material technology for the integration of high-channel count and/or various photonic functions into a monolithic chip, with high-speed control and low-power dissipation. Its efficient, voltage-induced index change, that is, the electro-optic effect, enable cross-talk free integration, miniaturization of electrodes, and low power dissipation.

Optimized performance

High-speed
Low-Power consumption
High reliability & environmental stability

Products

Nano-second speed optical path switch
- 1x2 ports, 1x4 ports, 1x8 ports, 1x16 ports, 1x32 ports (under development)
- 2x2 ports, 4x4 ports, 8x8 ports (under development)
Nano-second speed VOA (under development)

Customization

EpiPhotonics supplies products tailored to customers' requirements.

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