

EpiPhotonics

we deliver the fastest and most power-efficient photonics available in today's industry

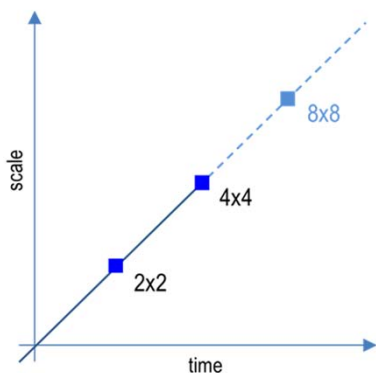
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EpiPhotonics pioneers the design and manufacture of efficient PLZT photonic components and subsystems for advanced optical applications. EpiPhotonics' unique and proprietary epitaxial PLZT waveguide technology based on 20 years of R&D features radical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



Tomorrow's technology for advanced optical communications

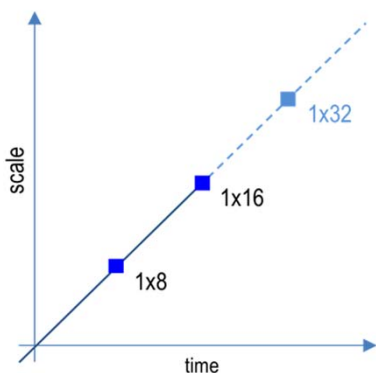
Photonics subsystems designed and manufactured with EpiPhotonics' PLZT waveguide technology will revolutionize a broad array of tomorrow's markets, such as the telecommunications and data communications. EpiPhotonics' products enable systems manufacturers to generate more revenues by delivering better products to their end-users. Moreover, the technological advances of EpiPhotonics enable its customers to anticipate the mass-market photonics of tomorrow.



NxN high-speed optical switch product roadmap

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.



1xN high-speed optical switch product roadmap

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 8x1 wavelength selective filter
Nano-second speed VOA
High-speed Polarization controller/scrambler (under development)

Customization

EpiPhotonics supplies products tailored to customers' requirements.