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Optical Module Serial-to-Parallel Conversion

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We demonstrate conversion from 64×10 Gbit/s OTDM to 25 GHz DWDM by time-domain optical Fourier transformation. Using a single silicon nanowire, 40 of 64 OTDM tributaries are simultaneously

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Abstract An all-optical serial-to-parallel converter (SPC) utilizing two cascaded phase

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We hereby verify that the proposed serial-to-parallel conversion scheme incorporated with rib waveguide delay lines is a realistic solution in realizing a photonics-based solution to all

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