

Low-penalty up to 16-QAM wavelength conversion in a low loss CMOS compatible spiral waveguide - DTU Orbit (08/11/2017)

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Wavelength conversion of 32-Gbaud QPSK and 10-Gbaud 16-QAM is demonstrated using a 50-cm long low loss spiral Hydrex-glass waveguide. BER < HD-FEC threshold is achieved over 10 nm bandwidth with OSNR penalty < 0.5 dB.

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