Spectrally narrow polarisation conversion in a slow-light photonic crystal waveguide - DTU Orbit (09/01/2019)

**Spectrally narrow polarisation conversion in a slow-light photonic crystal waveguide**

A narrow-band (3 dB bandpass <2 nm) transmission notch based on polarisation conversion within a SOI photonic crystal waveguide is demonstrated. Signal contrast between quasi-TE and TM eigenstates exceeding 40 dB is achieved. Further, multiple resonant wavelength coupling between the two eigenstates is also observed.

**General information**

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