

Abstract

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Dispersion Compensation Using Tunable Chirped Apodized Far off Resonance Bragg Fiber Gratings in Transmission

Comparison between the results of strain and temperature dependent center Bragg wavelength shift have been accomplished using different apodization profiles to produce linearly chirped apodized far off resonance fiber Bragg gratings for the design of an optimum Dispersion compensator. The chirping is made using the ultraviolet (UV) phase mask method.