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标题: Photonic Crystal Fiber Based 1 x N Intensity and Wavelength Splitters/Couplers
作者: Elbaz, D (Elbaz, David); Malka, D (Malka, Dror); Zalevsky, Z (Zalevsky, Zeev)
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摘要: This article presents three new designs of photonic crystal fiber based intensity and wavelengths splitters/couplers. Numerical simulations have demonstrated the feasibility of planar and two-dimensional 1 x 8 intensity splitters/couplers using an optical signal having, respectively, a bandwidth of 1 THz and 125 GHz around a central wavelength of 1.55 mu m. A wavelength demultiplexer has also been simulated for four wavelengths (each also having a bandwidth of 125 GHz) that belong to four telecom windows used in optical fiber communications.
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地址: [Elbaz, David; Malka, Dror; Zalevsky, Zeev] Bar Ilan Univ, Sch Engn, IL-52900 Ramat Gan, Israel
通讯作者地址: Zalevsky, Z (通讯作者),Bar Ilan Univ, Sch Engn, IL-52900 Ramat Gan, Israel
电子邮件地址: zalevsz@biu.ac.il
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