

Abstracts

Microwave-Optoelectronic Performance of a Ridged Heterostructure Microstrip Ring Resonator

G.K. Gopalakrishnan, K. Chang, M.H. Weichold, H.F. Taylor and S.V. Iyer. "Microwave-Optoelectronic Performance of a Ridged Heterostructure Microstrip Ring Resonator." 1993 Microwave and Guided Wave Letters 3.12 (Dec. 1993 [MGWL]): 444-446.

Microwave-optical mixing is accomplished in a ridged heterostructure microstrip ring resonator. When compared to an identical circuit fabricated on semi-insulating GaAs, a 15-dB improvement in conversion loss is achieved.

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