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""PHOTONIC CRYSTALS FOR MICROWAVE APPLICATIONS""""Abstract""; ""1. Introduction""; ""2. A New Type of Photonic Crystal Waveguidefor Millimeter-Wave Frequencies""; ""2.1. Structure of PC Waveguide""; ""2.2. Propagation Loss""; ""2.2.1. Dielectric and Metallic Losses""; ""2.2.2. Bending Loss""; ""2.2.3. Comparison of Loss Frequency Characteristics of Propagation and NRDWaveguide""; ""3. Two-Dimensional Photonic Crystals Using Metamaterials""; ""3.1. Metamaterials""; ""3.2. Band Characteristics of Split-Ring Metamaterials""
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