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CrystalWaveguides [10]"""4.1. Basic Structure""; ""4.2. Attenuation Constant""; ""4.3. Varying the Waveguide Width""; ""5. Wide Band Metallic Waveguide with In-Line Dielectric Rods [3][18]""; ""5.1. Basic Principle""; ""5.2. Waveguide Structure""; ""5.3. Structure of a 90-Degree H-Plane Bent Waveguide [18]""; ""5.4. Simple Fabrication Method [18]""; ""6. Frequency Range Dependent TE30 to TE10 Mode Converter""; ""7. Conclusion""; ""References""; ""PHYSICS OF PHOTONIC CRYSTAL COUPLERS AND THEIR APPLICATIONS ""; ""Abstract "" ""1. Introduction ""