

Bends in Nonradiative Dielectric Waveguides (1982 [MWSYM])

T. Yoneyama, S. Nishida and M. Yamaguchi. "Bends in Nonradiative Dielectric Waveguides (1982 [MWSYM])." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 300-301.

An experimental study was made of bends in the nonradiative dielectric waveguide at 50 GHz. The main cause of the bending loss was found to be the reflection at the transitions between the straight and curved waveguides rather than the radiation. A bend with a curvature radius as small as one guide wavelength could be realized.

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