

# Abstracts

## Phase-Matched Waveguide Using the Artificial Anisotropic Structure and its Application to Mode Converter

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*T. Mizumoto, H. Yamazaki and Y. Naito. "Phase-Matched Waveguide Using the Artificial Anisotropic Structure and its Application to Mode Converter." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 502-504.*

Phase-matching technique by the artificial anisotropic structure and its application to mode converter are proposed for the millimeter-wave dielectric circuitry. Phase-matched dielectric planar waveguide is designed and mode conversion characteristics are studied. Mode conversion experiment is successfully performed.

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