Abstracts

Analysis of an Efficient TE/sub 0,n/-to-TE/sub 0,n+p/-Mode Converter in Circular Waveguides

A. Jostingmeier, C. Rieckmann and A.S. Omar. "Analysis of an Efficient TE/sub 0,n/-to-TE/sub 0,n+p/-Mode Converter in Circular Waveguides." 1993 MTT-S International Microwave Symposium Digest 93.2 (1993 Vol. II [MWSYM]): 939-942.

Mode converters which have recently been proposed for high power gyrotron applications are analyzed. For the computation of the local modes at each cross section of the converter, a generalized spectral domain technique is applied, while in the axial direction a waveguide taper analysis is made which is based on a generalized scattering matrix method.

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