Abstracts

Method-of-Moments Solution for the Posts in a Circular Waveguide

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A three-dimensional discontinuity problem of a pair of metallic posts with finite diameter in the TE/sub 11/-mode circular waveguide is solved by method of moments. Unlike the widely used multifilament representation which leads to a slowly converging series, a multi-strip representation is introduced for the post current modeling. Numerical results are compared with experimental data, including those given by the other authors.

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