

# Abstracts

## Analysis of Waveguide Post Configurations: Part I--Gap Immittance Matrices

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J.S. Joshi and J.A.F. Cornick. "Analysis of Waveguide Post Configurations: Part I--Gap Immittance Matrices." 1977 *Transactions on Microwave Theory and Techniques* 25.3 (Mar. 1977 [T-MTT]): 169-173.

The reaction concept in electromagnetics is used to analyze two useful kinds of post-mounting structure in rectangular waveguide. The first is the general multiple-post arrangement with a gap in each post, the second being a single post with multiple gaps. The analysis derives equations for calculating the elements of the gap immittance matrices for these two structures.

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