

## Design of tolerance-corrected filters employing half-cylinder posts

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*R. Coccioli, A. Morini, G. Pelosi and T. Rozzi. "Design of tolerance-corrected filters employing half-cylinder posts." 1998 Transactions on Microwave Theory and Techniques 46.1 (Jan. 1998 [T-MTT]): 116-118.*

An alternative post geometry suitable for the realization of waveguide filters is investigated. The new post consists of half a cylinder. Due to its asymmetry it is possible to vary the electrical characteristics of such an element by means of a simple rotation. This permits us to compensate for fabrication tolerances of a filter without introducing additional screws.

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