Abstracts

Closed Form Solution of an N-Port Microstrip Planar Disk Device with an Eccentrically Located Short Circuit Post of Arbitrary Radius

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An analysis technique is presented allowing the performance of an N-port microstrip planar disk device with an arbitrarily located internal short circuit (S/C) post of arbitrary radius to be predicted. The approach yields analytical expressions ideal for CAD implementation. The experimental results are in very good agreement with the theoretical predictions.

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