

Abstracts

Simple Approximations for the Longitudinal Magnetic Polarizabilities of Some Small Apertures

N.A. McDonald. "Simple Approximations for the Longitudinal Magnetic Polarizabilities of Some Small Apertures." 1988 Transactions on Microwave Theory and Techniques 36.7 (Jul. 1988 [T-MTT]): 1141-1144.

Simple approximations are given for the longitudinal magnetic polarizabilities of some small apertures of various shapes, as functions of the aperture width to length ratios. The shapes considered are the rectangle, diamond, rounded end slot, and ellipse, of which only the last has an exact solution.

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