

Abstracts

Dielectric Image Lines

S.P. Schlesinger and D.D. King. "Dielectric Image Lines." 1958 *Transactions on Microwave Theory and Techniques* 6.3 (Jul. 1958 [T-MTT]): 291-299.

Some further studies on the dielectric image line are presented. Following a verification of field purity for the conventional image system, the effects of dielectric constant and dielectric geometry on loss, dispersion, and field extent are examined. Results are also discussed for an asymmetric line, i.e., the case of dielectric binding medium partially submerged in an image surface.

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