

Abstracts

The Resistance of Strip Conductors Embedded in a Two-Dimensional Field Distribution

W. Heinrich. "The Resistance of Strip Conductors Embedded in a Two-Dimensional Field Distribution." 1993 MTT-S International Microwave Symposium Digest 93.1 (1993 Vol. I [MWSYM]): 417-420.

The a.c. resistance of strip conductors is investigated. For geometries involving a two-dimensional field distribution, one finds an interesting behavior: Between the DC and the skin-effect regime, there exists a third characteristic frequency range. The paper provides details on that range and points out consequences for circuit modelling. A simplified description is proposed.

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