

Abstracts

Equivalent Circuit of a Gap in the Central Conductor of a Coaxial Line (Short Papers)

S. Sen and P.K. Saha. "Equivalent Circuit of a Gap in the Central Conductor of a Coaxial Line (Short Papers)." 1982 Transactions on Microwave Theory and Techniques 30.11 (Nov. 1982 [T-MTT]): 2026-2029.

The equivalent circuit of a gap in the central conductor of a TEM coaxial line has been determined by the variational technique. Theoretically computed circuit parameters show excellent agreement with the experimental data available in the literature. The gap equivalent circuit has also been used to predict, within 2 percent, the experimentally measured tuning characteristic of a long cylindrical reentrant cavity resonator.

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