

Abstracts

De-Embedding the Capacitance of a Resonant Circuit Using Time-Domain Reversal and Subtraction

H.E. Stinehelfer, Sr.. "De-Embedding the Capacitance of a Resonant Circuit Using Time-Domain Reversal and Subtraction." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 354-356.

A precision 50 ohm line 10 cm long was modified by a #4-40 screw at its center. The screw forms a capacitance to the center conductor and a resonant circuit at 17.7 GHz. Evaluating the data with the new MAMA program reveals parasitic of the screw which form the resonance response.

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