

Abstracts

Accurate Determination of Varactor Resistance at UHF and its Relation to Parametric Amplifier Noise Temperature (Comments)

A. Uhlir, Jr.. "Accurate Determination of Varactor Resistance at UHF and its Relation to Parametric Amplifier Noise Temperature (Comments)." 1973 *Transactions on Microwave Theory and Techniques* 21.10 (Oct. 1973 [T-MTT]): 654-654.

In the above paper, a letter written by me is cited as erroneously suggesting that the series resistance of varactor diodes varies inversely as the square of the frequency. Anyone who refers to my letter will see that the opposite is the case. I showed that such a result could be explained as a measurement artifact, the frequency-dependent transformation of losses in a distributed circuit.

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