

Abstracts

End Effect in a Shorted Slot (Short Papers)

J.B. Knorr and J. Saenz. "End Effect in a Shorted Slot (Short Papers)." 1973 *Transactions on Microwave Theory and Techniques* 21.9 (Sep. 1973 [T-MTT]): 579-580.

An investigation of the end effect in a shorted-slot line is described. It is shown that the apparent position of the short is a small fraction of a wavelength beyond the end of the slot. The reactance seen at the end of the slot is, therefore, inductive. Experimental curves are presented which show normalized inductive reactance versus frequency for substrates with $\epsilon_r = 12$ and $\epsilon_r = 20$ for several slot widths.

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