

# Abstracts

## Effective Impedance of a Load Filling a Circumferential Slot in a Coaxial Transmission Line (Short Papers)

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A.D. Wunsch. "Effective Impedance of a Load Filling a Circumferential Slot in a Coaxial Transmission Line (Short Papers)." 1987 Transactions on Microwave Theory and Techniques 35.9 (Sep. 1987 [T-MTT]): 862-865.

A terminal load uniformly filling a narrow slot placed in the outer conductor of a coaxial transmission line presents a certain effective impedance to TEM waves propagating in the line. The relationship between this value of impedance and the voltage-to-current ratio at this load is established. The two are not necessarily equal. A numerical example is considered.

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