

# Abstracts

## The Effect of Flange Loss on the Reflection Coefficient of Reduced-Height Waveguide Reflection Standards

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*P.I. Somlo. "The Effect of Flange Loss on the Reflection Coefficient of Reduced-Height Waveguide Reflection Standards." 1979 Transactions on Microwave Theory and Techniques 27.9 (Sep. 1979 [T-MTT]): 795-797.*

It is shown that when reflection-coefficient standards are constructed from reduced-height waveguide having the plane of the change in height coincident with that of the flange, the flange loss will reduce the calculated reflection coefficient, and for small reflection-coefficient standards ( $|\rho_s| < 0.1$ ) and practical flange losses, the effect is more significant than step capacitance which is usually taken into account.

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