

# Abstracts

## Phase Shift and Attenuation in a Transmission Line (Correspondence)

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*H.F. Mathis. "Phase Shift and Attenuation in a Transmission Line (Correspondence)." 1956 Transactions on Microwave Theory and Techniques 4.2 (Apr. 1956 [T-MTT]): 130-131.*

Circular transmission line charts, i.e. Carter (Z-0) and Smith (R-X) charts, can be used to determine the phase shift and attenuation in a uniform transmission line, or waveguide, which may be lossy and which is not terminated in a matched load. The procedure discussed here is based on the simple properties of these charts. The procedure can be extended to symmetrical four-terminal networks.

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