

# Abstracts

## A Uniform Coaxial Line with an Elliptic-Circular Cross Section (Correspondence)

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N. Seshagiri. "A Uniform Coaxial Line with an Elliptic-Circular Cross Section (Correspondence)." *1963 Transactions on Microwave Theory and Techniques* 11.6 (Nov. 1963 [T-MTT]): 549-551.

Analysis and design of a nonuniform coaxial line with an isoperimetric sheath deformation has been reported. The object of this note is to show that the procedure followed therein can be adopted for evaluating some of the essential features of an infinitely long ideal transmission line with an elliptic sheath and a circular inner conductor. Apart from its reported use with the nonuniform line, this type of structure may also be found in medium and large sized electronuclear machines.

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