

# Abstracts

## An improvement on analytic accuracy of circular groove guide

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*Hong-Sheng Yang and Yong Liu. "An improvement on analytic accuracy of circular groove guide." 2002 *Microwave and Wireless Components Letters* 12.2 (Feb. 2002 [MWCL]): 57-59.*

In this paper, an Nth order approximate eigenequation of circular groove guide is presented. Using the sixth order approximate results, some propagation properties of the TE<sub>11</sub> mode of circular groove guide are recalculated. The results are more accurate than before and in good agreement with the measurements.

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