

Abstracts

Theoretical and Experimental Characteristics of Single V-Groove Guide for X-Band and 100 GHz Operation (Reply to Comments)

Y.M. Choi, K.F. Tsang and D.J. Harris. "Theoretical and Experimental Characteristics of Single V-Groove Guide for X-Band and 100 GHz Operation (Reply to Comments)." 1994 Transactions on Microwave Theory and Techniques 42.8 (Aug. 1994 [T-MTT]): 1585-1586.

In Hu's paper, it was pointed out that as the cross-section of the V-groove guide is symmetrical, one quarter of the section should be considered. This point exactly matches the authors' idea in. In fact, Hu's implementation of the transformation of the guide section from the U-plane to the Z-plane for the region $0 \leq x \leq c$ and $y \geq 0$ looks more straight forward. However, in the method discussed in [2], symmetry can also be acquired by translating the transformed coordinates in the Z-plane.

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