Abstracts

Jacobian Elliptic Function Solution of Characteristics of Rectangular Groove Wave-Guide with Rounded Internal Corners

W. Lin, E.K.N. Yung and K.M. Luk. "Jacobian Elliptic Function Solution of Characteristics of Rectangular Groove Wave-Guide with Rounded Internal Corners." 1996 MTT-S International Microwave Symposium Digest 96.3 (1996 Vol. III [MWSYM]): 1843-1844.

To enhance the power carrying capacity and the efficiency of the rectangular groove wave guide, presented is such a guide with rounded internal corners, by means of Jacobian Elliptic Functions to transform the unbounded waveguide region onto the interior of a rectangle in w-plane with sides 2K(k) x 2K(k).

❑ Return to main document.