

Abstracts

Characteristics of periodically loaded CPW structures

A. Gorur, C. Karpuz and M. Alkan. "Characteristics of periodically loaded CPW structures." 1998 *Microwave and Guided Wave Letters* 8.8 (Aug. 1998 [MGWL]): 278-280.

A capacitively loaded coplanar waveguide (CPW) resonator has been studied. It has been shown that the proposed resonator can be used to achieve a slow-wave effect without occupying extra surface area and it has a good performance as compared with the conventional half-wavelength CPW resonator. Furthermore, dispersive effects have been increased with the number of slots in periodically loaded structures.

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