

Abstracts

A W Band Dielectric Resonator Power Combiner

D. Cros, P. Auxemery, X.H. Jiao, B. Jarry and P. Guillon. "A W Band Dielectric Resonator Power Combiner." 1989 MTT-S International Microwave Symposium Digest 89.3 (1989 Vol. III [MWSYM]): 1215-1218.

This article presents the utilization of planar millimeter wavelength whispering gallery (W.G.) dielectric resonators modes for the realization of power combiners. A theoretical model of whispering Gallery dielectric resonator mode coupled with two transmissions lines and experimental results of power combination obtained in both X band (8-12.4 GHz) and W band (75-110 GHz) are given.

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