

Abstracts

Waveguide-to-Coupled Fin-Line Transition in Ka Band

J. de Mingo, A. Moliner and A. Comeron. "Waveguide-to-Coupled Fin-Line Transition in Ka Band." 1996 Microwave and Guided Wave Letters 6.10 (Oct. 1996 [MGWL]): 363-365.

A new broad-band transition from waveguide-to-coupled fin-line in its quasi-TEM mode is presented. The transition is proposed for low-noise amplifiers or low-noise converters in millimeter-wave bands. Experimental results on the Ka band show a 1 dB insertion loss for a back-to-back double transition over a 10 GHz band.

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