Abstracts

Uniplanar MIC Power Dividers Using Coupled CPW and Asymmetrical CPS

L. Fan and K. Chang. "Uniplanar MIC Power Dividers Using Coupled CPW and Asymmetrical CPS." 1996 MTT-S International Microwave Symposium Digest 96.2 (1996 Vol. II [MWSYM]): 781-784.

Two uniplanar power dividers using coupled CPW and asymmetrical CPS have been developed for MICs and MMICs. These circuits provide substantially improved performance over a wide bandwidth compared to conventional microstrip power dividers. Measured results show that both power dividers have greater than 20 dB isolation, less than 0.4 dB insertion loss over a bandwidth of more than 30% centered at 3 GHz. Experimental results agree well with calculated ones.

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