

Abstracts

A New Circuit Structure for Microwave Frequency Doublers (1993 Vol. I [MWSYM])

J. Fikart and Y. Xuan. "A New Circuit Structure for Microwave Frequency Doublers (1993 Vol. I [MWSYM])." 1993 MTT-S International Microwave Symposium Digest 93.1 (1993 Vol. I [MWSYM]): 407-410.

A new circuit structure for microwave frequency doublers is presented, which features effective suppression of fundamental and odd harmonics (> 50 dB), conversion gain (> 3 dB) and simplicity of the circuit. Furthermore, it can be used in both balanced and unbalanced output configurations, without requiring baluns or transformers. Experimental results are also given in the paper.

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