

Abstracts

A stability ensuring design approach for frequency triplers

B. Bunz and G. Kompa. "A stability ensuring design approach for frequency triplers." 2001 MTT-S International Microwave Symposium Digest 01.1 (2001 Vol. I [MWSYM]): 111-114 vol. 1.

A novel design procedure for frequency triplers is presented. After first determining optimum bias conditions for frequency triplication, stable regions of operation are determined. The dependency of output power and conversion gain as functions of terminating stubs at all frequencies is examined. An experimental validation is finally carried out.

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