

Abstracts

Coupled Microstrip-Line Varactor Doublers (Correspondence)

E.F. Belohoubek and A. Rosen. "Coupled Microstrip-Line Varactor Doublers (Correspondence)." 1969 Transactions on Microwave Theory and Techniques 17.5 (May 1969 [T-MTT]): 286-288.

Microstrip varactor doublers using thin-film coupled lines on a ceramic substrate are described. Typical results achieved for L- to S-baud doublers include a CW power output of 5 watts over a 10 percent bandwidth at a minimum efficiency of 43 percent; at lower power level, a bandwidth of 31 percent at a minimum efficiency of 30 percent was achieved by use of five coupled lines.

[Return to main document.](#)