

Abstracts

Miniature Beryllia Circuits for Ku-Band Power Amplifiers

F. Sechi, R. Brown, P. Jozwiak, G. Rolland, J. Brown and E. Mykietyn. "Miniature Beryllia Circuits for Ku-Band Power Amplifiers." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 530-532.

Ku-band power amplifiers have been developed using miniature circuits fabricated on glazed beryllium oxide. This new technology is particularly well suited for miniature, light-weight, high performance GaAs power amplifiers. Experimental results illustrate the basic viability of this approach: the performances obtained from 1/2-W and 1-W amplifiers operating at Ku-band are already better than those obtained by more standard technologies. A cascode amplifier, also built on BeO has shown exceptionally broadband performance.

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