

Abstracts

A Monolithic Monopulse Comparator

J.B. Cole, R. Pavio, Y. Tajima, C. Drubin, R. Gingras, D. Masse and J. Wolverton. "A Monolithic Monopulse Comparator." 1992 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 92.1 (1992 [MCS]): 109-111.

A GaAs monolithic monopulse comparator operating at L-band has been developed. The complete circuit is composed of four summing amplifiers and four difference amplifiers. The circuit has a gain of 8.5 dB, null depths of ~25 dB to 30 dB, and is biased from a single positive supply. This is the first monolithic monopulse comparator circuit to have been demonstrated.

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