

Abstracts

A W-Band Monolithic GaAs PIN Diode Switch

G.H. Nesbit, D.W. Wong, Da. Li and J.C. Chen. "A W-Band Monolithic GaAs PIN Diode Switch." 1986 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 86.1 (1986 [MCS]): 51-55.

A state-of-the-art performance has been achieved for a W-band monolithic single-pole-single-throw PIN diode switch. An insertion loss of less than 0.5 dB with return loss greater than 15 dB (transmission mode) and an isolation greater than 11 dB (isolation mode) have been measured over a 6 GHz bandwidth (80 to 86 GHz).

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