

Abstracts

Multi-Octave Bandwidth Microwave Mixer Circuits

R.C. Van Wagoner. "Multi-Octave Bandwidth Microwave Mixer Circuits." 1968 G-MTT International Microwave Symposium Digest and Technical Program 68.1 (1968 [MWSYM]): 8-15.

The bandwidth of many microwave systems has been steadily increased over the past few years. Log-periodic and spiral antennas are examples of radiators which have paced the bandwidth expansion drive. Wideband 3-db couplers and phase shifters have followed in close echelon. With the development of YIG filters, experimental local oscillators are now being developed that can be electronically swept over several octaves. All of these components are finding useful application in modern surveillance, tracking and electronic warfare systems.

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