

Abstracts

Frequency Selective Limiters for High Dynamic Range Microwave Receivers (1993 Vol. I [MWSYM])

J.D. Adam and S.N. Stitzer. "Frequency Selective Limiters for High Dynamic Range Microwave Receivers (1993 Vol. I [MWSYM])." 1993 MTT-S International Microwave Symposium Digest 93.1 (1993 Vol. I [MWSYM]): 477-482.

A new broadband frequency selective limiter which provides over 14 dB of limiting across more than an octave bandwidth is described. The limiter is fabricated with epitaxially grown YIG films in a stripline configuration and has a threshold power level of below 0 dBm. Multiple FSLs have been cascaded with amplifiers to allow compression of microwave signals with a power range of 60 dB into a range of less than 5 dB.

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