Abstracts

A Novel Loss Compensation Technique for High-Q Broad-Band Active Inductors

H. Hayashi, M. Muraguchi, Y. Umeda and T. Enoki. "A Novel Loss Compensation Technique for High-Q Broad-Band Active Inductors." 1996 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 98. (1996 [MCS]): 103-106.

A novel loss compensation technique for high-Q broad-band active inductors is proposed. This yields frequency-insensitive negative resistance to compensate constant internal losses. Measured frequency range is 6 to 20 GHz for Q values greater than 100, and 7 to 15 GHz for Q values greater than 1,000.

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