

Abstracts

A Diode Mixer with Harmonic-Distortion Suppression

S.G. Mitra and S.A. Maas. "A Diode Mixer with Harmonic-Distortion Suppression." 1992 Microwave and Guided Wave Letters 2.10 (Oct. 1992 [MGWL]): 417-418.

Second- and third-harmonic distortion in a singly balanced diode mixer was reduced significantly by short-circuiting the diodes at the second and third LO harmonics. This verifies earlier predictions that short-circuiting these products should improve IM performance.

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