Abstracts

Reduction of Parasitic Coupling in Packaged MMIC's

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Electromagnetic coupling between circuit elements within a package is often significant, or even catastrophic, at frequencies near a package resonance. In future, large, highly integrated, millimeter-wave MMICs this resonant coupling will be difficult to avoid. The addition of lossy materials to the enclosure will reduce the coupling, but not eliminate it. In this paper, two different methods of introducing this loss will be compared. Results indicate that a further reduction in the coupling of power to the resonant modes is possible by repositioning the circuit within the enclosure.

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