

Abstracts

Leaky-modes leakage from planar circuits

Kuo-Cheng Chen and C.-K.C. Tzuang. "Leaky-modes leakage from planar circuits." 1997 MTT-S International Microwave Symposium Digest 2. (1997 Vol. II [MWSYM]): 495-498.

Inherent leakages in certain two-dimensional planar circuits are related to the propagation of leaky modes, contrasting to the conventional awareness of the association of leaky modes with the uniform waveguides. Both theoretical and experimental studies confirm that the newly found phenomena exist in proximity-coupled or direct-fed two-dimensional planar circuits of irregular shapes. Hence the leaky modes are indispensable when designing a microwave planar circuit.

 [Return to main document.](#)