

Abstracts

Vertical integrated transformer using bondwires for MMICs

Byung-Wook Song, Sung-Jin Kim and Hai-Young Lee. "Vertical integrated transformer using bondwires for MMICs." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1341-1344.

Novel vertical integrated transformers using bondwires are proposed and fabricated for low-cost and high performance MMICs. The new bondwire transformers are characterized experimentally in a wide frequency range from 1 to 20 GHz. The new transformers show lower power loss due to small ohmic loss of the gold bondwires and wide bandwidth compared to those of the planar spiral transformer.

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