

Abstracts

Optimization of flip-chip interconnects for millimeter-wave frequencies

A. Jentzsch and W. Heinrich. "Optimization of flip-chip interconnects for millimeter-wave frequencies." 1999 MTT-S International Microwave Symposium Digest 99.2 (1999 Vol. II [MWSYM]): 637-640 vol.2.

The MM-wave performance of flip-chip interconnects in a coplanar environment is investigated. By means of electromagnetic simulation, different possibilities to improve return loss are presented and discussed. A further issue is the reduction of parasitic coupling between the chip and transmission-lines on the motherboard underpassing the chip.

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