

Abstracts

On the design of coplanar bond wires as transmission lines

K.W. Goossen. "On the design of coplanar bond wires as transmission lines." 1999 Microwave and Guided Wave Letters 9.12 (Dec. 1999 [MGWL]): 511-513.

Bond wires are typically thought of as lumped electrical parasitic elements, and the usual design methodology is to make them as short as possible. Here, another scenario is shown where the bond wires may be thought of as transmission lines. Specifically, the practical system of "coplanar waveguide wires" is analyzed. If parameters are chosen carefully, especially with regard to wire height above substrate, they may impedance match the microstrip connector.

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