

Abstracts

Mode-Coupling Phenomena of Packaged Coplanar Waveguide with Mounting Grooves

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The influence of packaging metal box on the propagation characteristics of coplanar waveguides is investigated. The co-flow mode-coupling phenomena of a coplanar waveguide mode and its packaged box modes are presented. The effect of the mounting groove and other circuit parameters on this mode-coupling phenomenon is also investigated for the design of appropriate packaging boxes.

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