

Abstracts

Effect of a Dielectric Overlay in a Microstripline on a Circular Cylindrical Surface

F. da Costa Silva, S.B. de Assis Fonseca, A.J.M. Soares and A.J. Giarola. "Effect of a Dielectric Overlay in a Microstripline on a Circular Cylindrical Surface." 1992 Microwave and Guided Wave Letters 2.9 (Sep. 1992 [MGWL]): 359-360.

The effect of a dielectric overlay on the propagation constant of a microstripline on a circular cylindrical surface is examined here, using dyadic Green's functions. The results show that this effect is substantial when the values of the relative dielectric permittivity and thickness of the overlay are increased.

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