

Coupling Coefficient Between Magnetic Loop and a Dielectric Resonator in an Evanescent Waveguide

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This paper studies the end coupling between a magnetic loop and a dielectric resonator housed in an evanescent metallic waveguide. A theoretical and experimental analysis of the variations of the external quality factor as a function of the distance between the loop and the resonator is presented. The influence of the interstage coupling between two dielectric resonators on the end coupling will be also evaluated.

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