

## Analysis of the Coupling Coefficient Between a Cylindrical Dielectric Resonator and a Fin-Line

---

*F. Hernandez-Gil and J. Perez. "Analysis of the Coupling Coefficient Between a Cylindrical Dielectric Resonator and a Fin-Line." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 221-224.*

The external quality factor of a cylindrical dielectric resonator coupled to a finline is evaluated using the finite element method to analyse the transmission line and the resonator. The effects of varying the location of the resonator on the coupling are studied. Experimental results compared with the theoretical ones are presented.

 [Return to main document.](#)