

Miniaturized Diplexer for Land Mobile Communication Using High Dielectric Ceramics

K. Wakino, T. Nishikawa and Y. Ishikawa. "Miniaturized Diplexer for Land Mobile Communication Using High Dielectric Ceramics." 1981 MTT-S International Microwave Symposium Digest 81.1 (1981 [MWSYM]): 185-187.

Miniaturized Diplexer for 800 MHz land mobile communication system has been developed using dielectric quarter wavelength resonator having high permittivity of 37 and 90. The physical volume of diplexer is about 48 cc. The Spurious responses of quarter wavelength resonator were shifted to the higher frequencies by stepping the effective permittivity of the resonator material.

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