

Abstracts

High Q Dielectric Resonator Frequency Discriminator

S.J. Fiedziuszko. "High Q Dielectric Resonator Frequency Discriminator." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 175-176.

A novel dielectric resonator frequency discriminator utilizing a degenerate, hybrid mode is described. Principle of operation is similar to cavity type discriminator. Advantages of the dielectric resonator approach include simplicity, compatibility with MIC and MMIC structures, low cost, small size, high temperature stability and high Q.

[Return to main document.](#)