

Abstracts

Bandpass and bandstop filters using dominant $TM_{01\pi}$ mode dielectric rod resonators

Y. Kobayashi and C. Inoue. "Bandpass and bandstop filters using dominant $TM_{01\pi}$ mode dielectric rod resonators." 1997 MTT-S International Microwave Symposium Digest 2. (1997 Vol. II [MWSYM]): 793-796.

A dielectric rod resonator with the dominant $TM_{01\pi}$ mode proposed realizes a strong coupling between the resonator and a waveguide. The design is performed to obtain the best separation from the other higher modes. Bandpass and bandstop filters with excellent spurious characteristics are designed by using these resonators.

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