

Abstracts

A Design Method of Bandpass Filters Using Dielectric-Filled Coaxial Resonators (Short Papers)

M. Sagawa, M. Makimoto and S. Yamashita. "A Design Method of Bandpass Filters Using Dielectric-Filled Coaxial Resonators (Short Papers)." 1985 Transactions on Microwave Theory and Techniques 33.2 (Feb. 1985 [T-MTT]): 152-157.

Design formulas for capacitively coupled bandpass filters using dielectric-filled coaxial resonators are derived and experimentally verified. The most important advantage of this filter is its ability to provide wide stopband characteristics for harmonics suppression. Its features can be obtained from the configuration using both quarter-wavelength uniform impedance resonators (UIR's) and stepped impedance resonators (SIR's).

[Return to main document.](#)