

Abstracts

A Bandpass Filter Using Electrically Coupled TM/sub 01delta/ Dielectric Rod Resonators

Y. Kobayashi and M. Minegishi. "A Bandpass Filter Using Electrically Coupled TM/sub 01delta/ Dielectric Rod Resonators." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. 1 [MWSYM]): 507-510.

A compact bandpass filter having Chebyshev, low-loss and good spurious response is constructed by placing high-Q TM/sub 01delta/ dielectric rod resonators coaxially in a TM/sub 01/ cutoff circular waveguide. A precise design of the high-Q resonators and interresonator coupling is performed by the mode matching technique. The interresonator coupling is equivalently expressed by a capacitively coupled LC resonant circuit.

 [Return to main document.](#)