

Abstracts

Propagation in Ferrite-Filled Coaxial Transmission Lines

R.S. Mueller and F.J. Rosenbaum. "Propagation in Ferrite-Filled Coaxial Transmission Lines." 1968 Transactions on Microwave Theory and Techniques 16.10 (Oct. 1968 [T-MTT]): 835-842.

The dispersion relations (ω/β diagrams) for propagation of the quasi-TEM mode and higher-order symmetric modes in longitudinally magnetized ferrite-filled coaxial waveguide are presented. The dispersion relations for ferrite-filled coaxial cavity resonators are analyzed and presented graphically. The performance and operation of an X-band tunable ferrite filter is evaluated in light of the ω/β diagrams

 [Return to main document.](#)