



Microwave Filter Company, Inc. offers a complete line of waveguide filter designs including bandpass, band reject and diplexed models as well as adapters and other accessories. Available waveguide sizes range from WR22 to WR650 covering the frequency spectrum from 1 GHz to 40 GHz with bandwidths up to 15%. MFC bandpass designs exhibit excellent out-of-band rejection making them ideally suited to receiver front-end or transmitter applications. Designs are available with 2 to 18 resonator sections to satisfy the most severe requirements. Construction materials include copper, aluminum and invar and may be folded to meet with specific customer configurations.

Design Curves

The normalized bandwidth attenuation curves included here-in are representative only and are not meant to be definitive with regard to the filter parameters. Many other variables allow the designer to tailor the transfer function to meet the custom needs of a requirement.