Abstracts

Low-Loss Bandpass Filter Using Dielectric Rod Resonators Oriented Axially in a High-T/sub c/ Superconductor Cylinder

Y. Kogami, Y. Kobayashi, T. Konaka and M. Sato. "Low-Loss Bandpass Filter Using Dielectric Rod Resonators Oriented Axially in a High-T/sub c/ Superconductor Cylinder." 1991 MTT-S International Microwave Symposium Digest 91.3 (1991 Vol. III [MWSYM]): 1345-1348.

A maximally flat type bandpass filter using two TM/sub 01delta/-mode dielectric rod resonators oriented axially in a high-Tc superconductor cylinder is designed with 3dB bandwidth 36MHz at 11.958GHz. For this filter the insertion loss below 0.1dB and the frequency temperature coefficient of -2.7ppm/K are realized in the range 20 to 50K.

❑ Return to main document.