Abstracts

A Miniaturized Low-Spurious 1.9 GHz MSW Band-Pass Filter Using YIG Resonators with Multi Metal Rings

Y. Ishikawa, T. Okada, S. Shinmura, F. Kanaya, K. Wakino and T. Nishikawa. "A Miniaturized Low-Spurious 1.9 GHz MSW Band-Pass Filter Using YIG Resonators with Multi Metal Rings." 1992 MTT-S International Microwave Symposium Digest 92.3 (1992 Vol. III [MWSYM]): 1403-1406.

A new simple technique of forming multi metal rings on both sides of YIG element have been developed to suppress the spurious responses of YIG resonators effectively. By using this resonator, a 10x5x4 mm^3 two-stage MSW band-pass filter has been developed. The insertion loss is about 2 dB at 1.9 GHz, and the suppression of spurious response is 25 dB.

❑ Return to main document.