

Magnetostatic Wave Delay Lines Using the Nonuniformly Magnetized YIG Film

M. Tsutsumi, T. Sakurai and N. Kumagai. "Magnetostatic Wave Delay Lines Using the Nonuniformly Magnetized YIG Film." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 351-354.

This paper treats the group delay characteristics of the magnetostatic forward volume waves in a nonuniformly magnetized yttrium iron garnet film in the propagation direction of the wave. The long time delay more than 1 μ second with low propagation loss is observed by the pulse experiment at S band. The tapered transmission line model of the magnetostatic wave guide magnetized nonuniformly is also presented.

 [Return to main document.](#)