

Effective-field theory for ferrite thin-film junction circulator

H. How, S.W. McKnight and C. Vittoria. "Effective-field theory for ferrite thin-film junction circulator." 1997 MTT-S International Microwave Symposium Digest 2. (1997 Vol. II [MWSYM]): 1127-1130.

We have calculated the S-parameters and losses in ferrite-film junction circulators using a new effective-field theory assuming TEM-like propagation. Conductivity losses dominate the dielectric and magnetic losses in Y-junction circulators fabricated on ferrite films with thicknesses less than 200 /spl mu/m.

 [Return to main document.](#)