

Abstracts

Coplanar Waveguide Filters

A.K. Rayit and N.J. McEwan. "Coplanar Waveguide Filters." 1993 MTT-S International Microwave Symposium Digest 93.3 (1993 Vol. III [MWSYM]): 1317-1320.

Examples of highpass, lowpass and bandpass filters realised in coplanar waveguide are presented. Design is based on distributed circuit theory and is improved by extensive modelling of discontinuities. Equivalent circuits for these are presented, together with some design data. Symmetric and asymmetric designs appear to be equally successful. Modelled filter responses agree well with measurements, although there is an anomaly in the lowpass design which may be associated with odd mode excitation in shunt open stubs.

 [Return to main document.](#)