

Abstracts

An RLC Matching Network and Application in 1-20 GHz Monolithic Amplifier

P.K. Ikalainen. "An RLC Matching Network and Application in 1-20 GHz Monolithic Amplifier." 1989 MTT-S International Microwave Symposium Digest 89.3 (1989 Vol. III [MWSYM]): 1115-1118.

New design equations are derived for an RLC matching network. These equations can be applied in lossy-match MESFET amplifiers to give flat gain and low SWR over wide bandwidths. Experimental results are presented from a monolithic 1-20 GHz amplifier. The theory is useful, in general, for design of wideband, resistive matching network for capacitive loads with a small series resistance.

[Return to main document.](#)