

Abstracts

Passive electromagnetic compensation of permittivity changes in microwave circuits

J. Hesselbarth and R. Vahldieck. "Passive electromagnetic compensation of permittivity changes in microwave circuits." 2001 MTT-S International Microwave Symposium Digest 01.1 (2001 Vol. I [MWSYM]): 299-302 vol. 1.

Microwave circuit elements are proposed which are inherently independent of small variations of the material permittivity. Different structures are investigated which can be used to obtain a temperature-independent resonance frequency, group velocity, or phase shift, respectively, although the permittivity of the involved materials varies.

[Return to main document.](#)