Abstracts

Slotline-Microstrip Transition on Iso/Anisotropic Substrate: Broadband Design

A. Podcameni and M.L. Coimbra. "Slotline-Microstrip Transition on Iso/Anisotropic Substrate: Broadband Design." 1981 MTT-S International Microwave Symposium Digest 81.1 (1981 [MWSYM]): 80-82.

The two-stub transition design is analysed on isotropic and anisotropic substrates. Broadband design is made by optimizing the slotline and the stub lengths. Sensibility analysis of the behaviour of the whole structure with these parameters shows the slotline length and impedance to be the dominant factors. An extended-octave design can easily be achieved, with VWSR less than 1.5, for double-transitions.

❑ Return to main document.