

Abstracts

Broadband Directional Coupler Using Dielectric Loaded Slit

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A broadband 40dB directional coupler using coupling-slits opened in common ground conductors between parallel coaxial lines has been fabricated. Dielectric plates are loaded in the slits in order to compensate the directivity degradation due to ground conductor discontinuities at the slit ends. The directivity is greater than 24dB.

 [Return to main document.](#)