

# Abstracts

## A Novel Branch-Line Coupler Design for Millimeter-Wave Applications

---

*P. Meaney. "A Novel Branch-Line Coupler Design for Millimeter-Wave Applications." 1990 MTT-S International Microwave Symposium Digest 90.1 (1990 Vol. 1 [MWSYM]): 585-588.*

By taking advantage of the odd function nature of the branch line coupler to increase its series line length to  $3/4$  wavelength, it is possible to make a microstrip three-branch coupler that works over a full millimeter waveguide band. This design also uses orthogonal inputs and minimizes discontinuities to improve the input match.

 [Return to main document.](#)