

# Abstracts

## W-Band Fin-Line Broad-Band Directional Couplers with Different Coupling Ratio

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*Y.-Y. Chen and S. Li. "W-Band Fin-Line Broad-Band Directional Couplers with Different Coupling Ratio." 1990 MTT-S International Microwave Symposium Digest 90.1 (1990 Vol. I [MWSYM]): 379-381.*

W-band broad band couplers, having 6, 10 and 3dB coupling ratio realized bycoupled fin-line are reported. For looser coupling such as 6 and 10dB coupling we take advantage of over coupling configuration in order to lower the requirements of fin-line geometrical dimension. The experimental results of prototype couplers show a flat frequency response and low loss performance in a broad band.

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