

# Abstracts

## Phase Velocity Compensation in Parallel-Coupled Microstrip

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*S.L. March. "Phase Velocity Compensation in Parallel-Coupled Microstrip." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 410-412.*

Techniques for compensating the unequal even- and odd-mode phase velocities encountered in parallel-coupled micro-strip are discussed. New results on the use of lumped and semi-lumped capacitors are presented. A newer geometry, a cross between suspended-substrate stripline and microstrip, can be used to manufacture quadrature couplers with improved, broadband directivity performance.

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