

# Abstracts

## Varactor-Tuned Microstrip Ring Resonators

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*K. Chang, S. Martin and F. Wang. "Varactor-Tuned Microstrip Ring Resonators." 1987 MTT-S International Microwave Symposium Digest 87.2 (1987 Vol. II [MWSYM]): 867-870.*

Varactor-tuned microstrip ring resonators have been developed. Up to 10 percent tuning bandwidth was achieved using a packaged varactor diode. The effects of the coupling gap on the ring resonant frequency were also investigated. The results should have many applications in electronically tunable stabilized oscillators and filters in both hybrid and monolithic integrated circuits.

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