

# Abstracts

## Dual-mode filters with conductor loaded dielectric resonators

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*I.C. Hunter, V. Dassonville and J.D. Rhodes. "Dual-mode filters with conductor loaded dielectric resonators." 1999 MTT-S International Microwave Symposium Digest 99.3 (1999 Vol. III [MWSYM]): 1021-1024 vol.3.*

A new class of dual mode filters is presented. These devices use conductor loaded dielectric resonators with unloaded Q factors of 2000-8000 achievable in half the physical size of TEM filters with good spurious performance. A design example of a transmit filter for a GSM cellular radio base station is demonstrated.

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