

# Abstracts

## High-Dielectric Constant Stripline Band-Pass Filters

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*F. Winter, J. Taub and M. Marcelli. "High-Dielectric Constant Stripline Band-Pass Filters." 1991 MTT-S International Microwave Symposium Digest 91.2 (1991 Vol. II [MWSYM]): 555-556.*

High-dielectric constant ( $K=38$ ) stripline was employed to realize selective band-pass filters. Seven-pole, gap-coupled filters centered at 6.0 and 8.0 GHz were designed for 140 MHz 3-dB bandwidths. The data shows excellent agreement without the need for tuners. Miniaturization of high-performance filters has been demonstrated. This technique is applicable to MMIC-based microwave systems.

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