

# Abstracts

## A miniaturized bandpass filter with double surface electrodes

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*T. Tsujiguchi, H. Matsumoto and T. Nishikawa. "A miniaturized bandpass filter with double surface electrodes." 2000 MTT-S International Microwave Symposium Digest 00.1 (2000 Vol. 1 [MWSYM]): 199-202.*

A high performance planar filter using novel resonance modes by double surface electrodes is developed. The trial filter has 38% smaller size than the conventional CPW (coplanar waveguide) filter keeping the unloaded Q. This filter has a 400 MHz bandwidth at 2.42 GHz, the insertion loss is 2.58 dB and its size is 5.2/spl times/2.5/spl times/0.2 mm/sup 3/. It is applicable for ISM2.4 applications.

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