# Abstracts

## 5 GHz Low-Loss SAW Filters

*K. Yamanouchi, H. Odagawa and T. Meguro. "5 GHz Low-Loss SAW Filters." 1996 MTT-S International Microwave Symposium Digest 96.2 (1996 Vol. II [MWSYM]): 405-408.*

A new electrode thickness difference type of single phase unidirectional surface acoustic wave (SAW) transducer (ETD-SPUDT), which as lambda/4 narrow-gap electrodes us investigated. The ETD-SPUDT is fabricated by cutting a part of a meander-line electrode by using the shadow of the resist pattern. The theoretical and experimental results show the low loss and large directivity. The low photo-lithography techniques in 2 GHz-range and by electron beam exposure in 5 GHz-range. The results show 2.2db insertion loss a 1 GHz, 3.0dB at 2 GHz and 4.1dB at 5 GHz.

❑ Return to main document.