# Abstracts

## Thin-film microstrip lines for MM and sub-MM/wave on-chip interconnects

*H.-M. Heiliger, M. Nagel, H.G. Roskos, H. Kurz, F. Schnieder and W. Heinrich. "Thin-film microstrip lines for MM and sub-MM/wave on-chip interconnects." 1997 MTT-S International Microwave Symposium Digest 2. (1997 Vol. II [MWSYM]): 421-424.*

Thin-film microstrip lines with a polymer dielectric between ground and signal conductor are proven to be an attractive alternative to coplanar waveguides for (sub)-MM-wave interconnects. Both simulation and electrooptic characterization reveal negligible modal dispersion up to 1000 GHz and low attenuation even if the lines are realized on low-resistivity substrates.

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