

Abstracts

Laser interferometric analysis of a ISM band SAW duplexer

J.V. Knuutila, P. Tikka, V.P. Plessky, T. Thorvaldsson and M.M. Salomaa. "Laser interferometric analysis of a ISM band SAW duplexer." 1999 MTT-S International Microwave Symposium Digest 99.4 (1999 Vol. IV [MWSYM]): 1449-1452 vol.4.

Direct measurements on the surface-acoustic wave field in an ISM band SAW duplexer have been performed with a scanning laser-interferometric prober. New acoustic loss mechanisms, featuring unexpected spatial distribution of acoustic amplitude, were revealed by the measurements and linked to the measured electrical response.

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