

Abstracts

Scattering parameters of interdigital microstrip gap under laser spot illumination

Y. Horii and M. Tsutsumi. "Scattering parameters of interdigital microstrip gap under laser spot illumination." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1635-1638.

This paper studies scattering characteristics of an optically controlled interdigital gap fabricated on the semiconductor microstrip line, and proposes the potential application of this gap to the microwave phase shifter with small variation in amplitude. Experiments have been carried out by making interdigital gap on the silicon chip and using the semiconductor laser diode.

[Return to main document.](#)