

Abstracts

Direct Observation of LSA-Relaxation Oscillations in Bulk Gallium Arsenide Diodes

R. Spitalnik. "Direct Observation of LSA-Relaxation Oscillations in Bulk Gallium Arsenide Diodes." 1970 G-MTT International Microwave Symposium Digest of Technical Papers 70.1 (1970 [MWSYM]): 230-234.

Relaxation oscillations in bulk GaAs diodes in high impedance circuits have been analysed by a computer simulation by B. I. Jeppsson, and by W. Camp. At frequencies lower than the transit time frequency they have been observed in lumped circuits by Lanza and Esposito. In this paper we report time domain observation of LSA-relaxation oscillations in distributed circuits which tune over a wide range and have high peak powers as predicted in this mode of oscillation.

[Return to main document.](#)