Abstracts

Highly Linear and Transparent 3-18 GHz Optical Microwave Link

T.N. Nielsen, U. Gliese, T. Christensen, H. Hoegh and K.E. Stubkjaer. "Highly Linear and Transparent 3-18 GHz Optical Microwave Link." 1994 MTT-S International Microwave Symposium Digest 94.1 (1994 Vol. I [MWSYM]): 491-494.

A highly linear optical microwave link transmitter based on heterodyne phase-locked DFB lasers is presented. The transmitter is transparent for FM and PM input signals with carrier frequencies ranging from 3-18 GHz. Distortion-free transmission of a 7.6 GHz FM PAL video signal over 25 km of optical fibre is demonstrated.

❑ Return to main document.