

Abstracts

Input noise current spectral density estimation for a distributed based optical receiver

A. Borjak, L. Moura, J.J. O'Reilly and I. Darwazeh. "Input noise current spectral density estimation for a distributed based optical receiver." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1579-1582.

Modelling of the input noise current spectral density of the distributed amplifier (DA) based optical receiver is carried out and an expression of the input noise current spectral density is presented, showing the effect of the photodiode impedance. Derived analytical expressions show the contribution of the different noisy elements to the overall noise.

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