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DQPSK demodulator is designed for the next generation optical communications systems utilized in commercial, defense and space exploration markets.

The Oclaro DQPSK (Differential Quadrature Reference Phase Shift Keying) modulator design is based on a dual parallel structure of two Mach-Zehnder modulators embedded in a Mach-Zehnder super ...

DQPSK demodulator is designed for the next generation optical communications systems utilized in commercial, defense and space exploration markets. The device plays a key role in improving signal ...

Abstract: The feasibility of long-haul transmission using differential quadrature phase shift keying (DQPSK) modulation is discussed. We focus in particular on the trade-off between spectral efficiency ...

Optoplex's Optical DQPSK demodulator converts differential quadratural phase modulation to amplitude modulation over the entire C+L band in support of data transmission rates of 20 or 40 Gb/s.

the phase of the signals to carry information. Among such formats, differential phase-shift-keying (DPSK) and differential quadrature phase-shift-eying (DQPSK) are the ones more often referred. These ...

Abstract--This paper provides an overview of Differential Quadrature Phase Shift Keying (DQPSK) Modulation in fiber optic communication along with simulation design and modelling of its...

A DQPSK modulator is a multifunctional modulator, which consists of two sub-MZ interferometers embedded in a main MZ interferometer. This nested MZ modulator can generate optical signals in ...

DQPSK (Differential quadrature phase-shift key) modulator can improve optical transmission properties such as total reach, dispersion tolerance, or spectral efficiency.

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