

A 56Gb/s burst-mode NRZ optical receiver with 6.8ns power-on and CDR-Lock time for adaptive optical links in 14nm FinFET CMOS for ISSCC 2018 by Ilter Ozkaya et al.

This work reports a low power implementation of a 60Gb/s NRZ optical receiver (RX) in 14nm bulk CMOS finFET featuring a first-order digital CDR with high jitter tolerance (JTOL).

Finland, country in northern Europe. Finland is one of the world's most northern and geographically remote countries and is subject to a severe climate. Nearly two-thirds of Finland is ...

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Finland contains 40 national parks (such as Koli National Park in North Karelia), from the Southern shores of the Gulf of Finland to the high fells of Lapland. Outdoor activities range from Nordic skiing, ...

Finland is a Nordic country of 5,5 million inhabitants. The capital is Helsinki, located by the Gulf of Finland in southern Finland. Finland has three neighboring countries: Russia in the east, Sweden in ...

Using commercially available 43G optical transmitter and receiver for 56Gbps NRZ operation is desirable considering the technical maturity and tight time frame for 400GbE standards

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With the growing demand for broadband services, the 50G passive optical network (PON) has become the future direction of optical access networks. As the baud rate.

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In this paper, an 11.3 Gbps CMOS SONET compliant transceiver designed to work in both RZ and NRZ data

formats is presented. Using a configurable high-speed transmit path utilizing an AND gate and a ...

He joined the IBM Thomas J. Watson Research Center, Yorktown Heights, NY, USA, in 2010, where he is currently a Research Staff Member involved in analog and mixed-signal circuit design for optical ...

We determine optimum optical and electrical filter bandwidths and analyze the impact of bandwidth deviations on receiver sensitivity.

The total area of Finland is 338,144 km, making it the 8th largest country in Europe after Russia, Ukraine, France, Spain, Sweden, Norway and Germany. Of this, 10% is water and 69% forest - there ...

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