



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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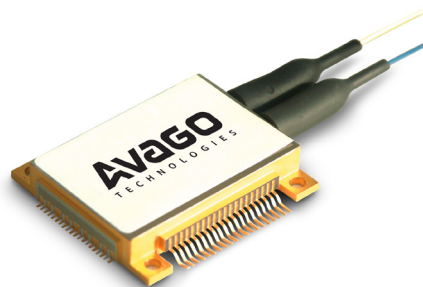


RX-PMQPSK-100 Series

100 Gb/s PM-QPSK Integrated Coherent Receiver



Product Brief



Description

Avago Technologies' 100Gb/s PM-QPSK Integrated Coherent Receiver integrates signal and local oscillator polarization splitters, two matched 90° optical hybrids, four high speed balanced detector pairs and four differential in/out linear TIAs with manual and automatic gain control in a single compact surface-mount package.

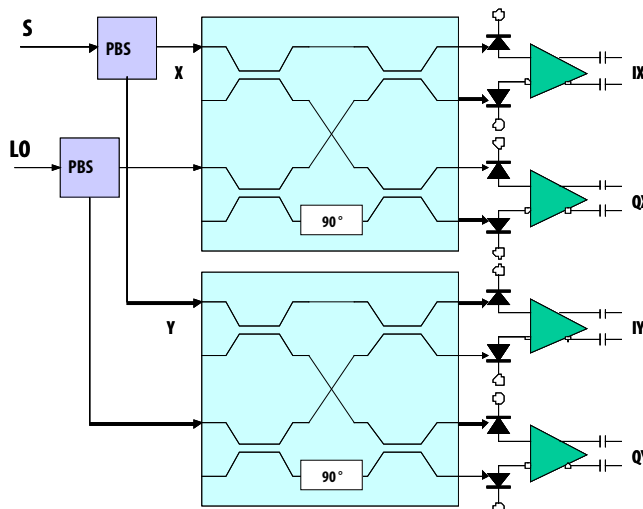
The receiver makes use of Avagos' extensive portfolio of high speed InP based balanced photodetectors (PDs) and Silica Planar Lightguide Circuit (PLC) device technology for the 90° hybrid mixers. It also leverages Avagos' automated hybrid integration platform for mounting the balanced PDs directly onto the PLC chip to provide a highly integrated optical hybrid chip for high performance in a very small footprint.

Applications

- Supports 100 Gb/s coherent PM-QPSK optical transmission systems

Features

- Complete integrated PM-QPSK coherent receiver functionality in a single package:
 - o Polarization beam splitters
 - o Optical 90° hybrids (coherent mixers)
 - o Balanced photodetectors
 - o Linear differential in/out TIAs
 - o Selectable AGC or manual control
- Baud rate up to 32 GBd
- Conforms with OIF-DPC-RX-01.0 implementation agreement
- Operating temperature: -5 °C to +80 °C
- No active temperature control required.



For product information and a complete list of distributors, please go to our web site: www.avagotech.com

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