

# AFCP-R4X25PL

4x25Gb/s ROSA for 100 Gigabit Ethernet

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Broadcom' AFCP-R4X25PL-Series ROSA is a 4x25Gb/s, 1310nm LAN WDM receive optical subassembly, containing an optical de-multiplexer, to separate the four incoming wavelengths, four high reliability, high performance PIN photodiodes, and a quad transimpedance amplifier (TIA). These are packaged in an hermetic, planar package with an LC receptacle. The electrical interface is via two flex circuits. The ROSA is intended for use in CFP, CFP2 and CFP4 modules serving links at 4 x 25.78125 Gb/s, per 100GBASE-LR4.

## Features

- Integrated 1:4 optical de-multiplexer/ filter
- Four high reliability, high performance PIN detectors
- Transimpedance amplifier (TIA) array
- 25.78125 Gb/s per channel operation
  - Capable of 27.952Gb/s operation
- Planar body, compatible with CFP, CFP2 and CFP4
- Flex circuit electrical interface

## Applications

- 100Gb/s CFP transceivers
- 100Gb/s CFP2 transceivers
- 100Gb/s CFP4 transceivers

# Substance Compliance



## RoHS6

Fully Compliant

Specification	Value
Lifecycle	Active
Distrib. Inventory	No
Form Factor	CFP4 Compatible
Connector Type	LC receptacle
Fiber Type	Single Mode
Maximum Distance (km)	N/A
Nominal Optical Wavelength (nm)	N/A
Emitter	N/A
RoHS6 Compliant	Y