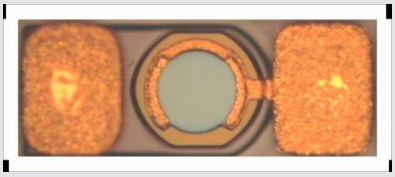
BROADCOM®

Product Brief

AFCD-P21KP

10 Gb/s 850 nm PIN Photo Detector



Applications

- Digital communication links up to 10.3125 Gb/s
- Small form-factor pluggable transceivers

Key Features

- High bandwidth performance
- High responsivity for 850 nm center wavelength
- Low capacitance
- Low series resistance
- RoHS compliant

Overview

The Broadcom® AFCD-P21KP 10 Gb/s PIN is a 150 µm thick, high-performance photo detector with a 55 µm optical window diameter for 850 nm applications. This PIN is designed to support communication links over multi-mode fiber at serial (NRZ) bit rates up to
10.3125 Gb/s.

Broadcom's strong presence in the Datacom, Storage, and Telecom Network markets has enabled a robust portfolio of fiber optic transceivers and a wealth of component expertise.

This PIN is designed to convert optical power into electrical current for use in data communication links. Under appropriate reverse bias, as the incident light intensity varies, the resulting electrical current increases proportionally to enable high-bandwidth optical-to-electrical conversion of high-speed digital signals.

The PIN arrays are shipped on medium-tack, blue tape, 6-inch rings.

Ordering Information

Product Code	Description
AFCD-P21KP	10 Gb/s 850 nm PIN Photo Detector with 55 µm Aperture

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Visit the website at: broadcom.com/products/fiber-optic-modules-components/components-broadband/

AFCD-P21KP-PB100