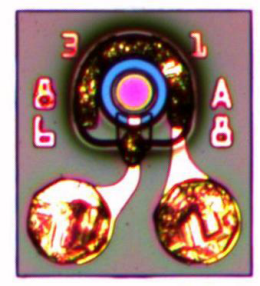
BROADCOM®

Product Brief

AFCD-P51GC

25 Gb/s 850 nm PIN Photo Detector



Applications

- 25.78 Gb/s digital communication links

Key Features

- High-reliability III-V top-entry PIN
- High bandwidth performance
- High responsivity for 850 nm center wavelength
- Low capacitance
- SG contact configuration
- RoHS compliant

Overview

The Broadcom® AFCD-P51GC 25 Gb/s PIN detector is a 150 µm thick, single-channel, high-performance photo detector with a 31 µm optical window diameter for 850 nm applications. It is designed to support communication links over multi-mode fiber at serial (NRZ) bit rates up to 25.78 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 proportionally increases 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-P51GC	25.78 Gb/s 850 nm PIN Photo Detector with 31 µm Aperture and SG Configuration

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

AFCD-P51GC-PB100