

Product Brief

AFCD-P54GM

4×25 Gb/s 850 nm PIN Photo Detector Array

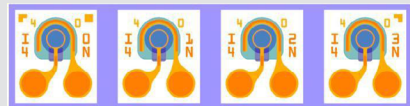
Overview

The Broadcom® AFCD-P54GM 25 Gb/s PIN detector is a 150 µm thick, 4-channel, high-performance photo detector array with a 40 µm optical window diameter for 850 nm applications. Each PIN is designed to support communication links over multi-mode fiber at serial (NRZ) bit rates up to 25.78125 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 array 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.



Applications

- 100 Gb/s digital communication links

Key Features

- High-reliability III-V top-entry PIN diode array
- High bandwidth performance
- Responsivity for 850 nm center wavelength
- Low capacitance
- Large aperture
- SG contact configuration
- RoHS compliant

Ordering Information

Product Code	Description
AFCD-P54GM	4×25 Gb/s 850 nm PIN Photo Detector Array with 40 µm Aperture and SG Configuration