

1101 Photodiode



Linear InGaAs PIN Photodiode, 1 GHz

The PD-1 provides the proven high performance of our photodiode technology in a very practical, cost-effective package. The PD-1 features very high linearity and low capacitance over a 1 GHz bandwidth. These broadband photodiodes are housed in a small, environmentally rugged coaxial package. The PD-1 is designed to provide performance and flexibility needed to meet the expanding applications of two ways communications networks.

FEATURES

- 1 GHz Bandwidth
- Low Capacitance
- High Responsivity
 - > 0.85 @ 1310 nm
 - > 0.95 @ 1550 nm

USE IN

- Forward-path and Return-path Broadband Video Transport
- EDFA Monitor

Wavelengths	1100 nm to 1600 nm
Responsivity	0.85 A/W min. @ 1310 nm; 0.95 A/W min. @ 1550 nm
Dark Current	5 nA typ.
Bandwidth	1 G hz typ.
Optical Gain	40 dB max.; 50 dB w/ Optional PA
Capacitance	5 pF typ.
Frequency Response	±0.5 dB
Back Reflection	-40 dB max.

PIN OUT

