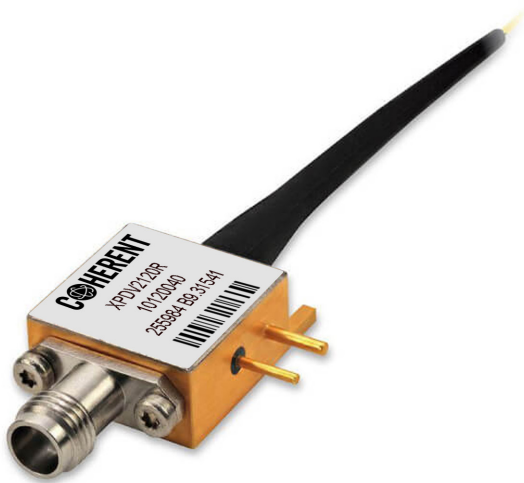


50 GHz HIGH SPEED PHOTODETECTOR

XPDV2xx0Rv

The XPDV2xx0Rv photodetector consists of a well-established, waveguide-integrated single photodiode chip, designed to exhibit an optimized frequency response in both power and phase. Due to experienced RF packaging, the pulse response shows almost no ringing. The integrated on-chip spot size converter leads to a high responsivity and ensures reliability and robustness of the detector. An advantage of the waveguide structure is the unsurpassed high-power behavior with linear response up to an optical input power of 10 dBm. XP DVs contain a unique on-chip integrated bias network and ensure undisturbed frequency response from DC to the 3 dB cut-off frequency. Besides the standard version optimized for C-band a dual window version supporting O- and C- band is offered.



Picture shows product example, actual product might differ

FEATURES

- 50 GHz typical bandwidth with flat response
- High linearity
- C- band and dual window (O- /C- band) version
- Unique on-chip integrated bias network

APPLICATIONS

- Microwave Photonics
- Analog Photonic links
- Radio-over-Fiber

