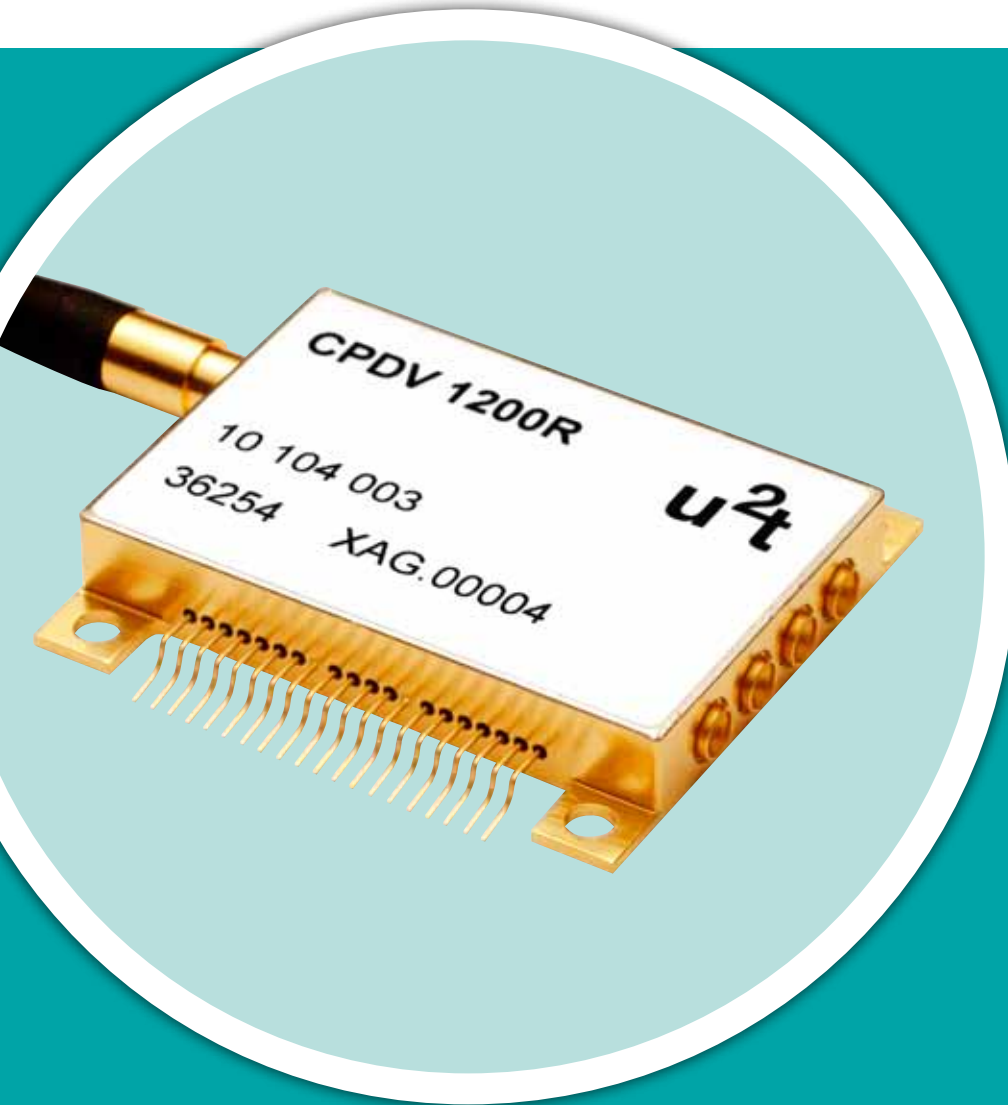


# Coherent 64 Gbaud Photodetector

Product code: CPDV1200R



## Features

- Up to 64 Gbaud
- 40 GHz Bandwidth
- Surface mount package
- GPPO® compatible RF-output interface
- Polarization diversity

## Applications

- Coherent Test and Measurement Systems
- 400 Gbit/s and 1 Tbit/s detection
- OFDM
- Parallel optical sampling

The coherent detector module CPDV1200R-GM consists of an integrated polarization beam splitter and four balanced photodiodes pairs monolithically integrated with optical 90° hybrids. The detector is a fully differential optical front-end suited for up to 64 Gbaud polarization diversity x-QAM measurement applications featuring high common mode rejection ratio. The optical 90° hybrids demodulate the I/Q incident signal for each respective polarization state using external reference oscillator laser sources. The mixing products are detected by pin-photodiodes and signal is available via GPPO® compatible connectors.

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