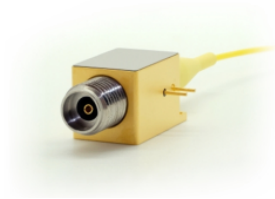


## PQS40A-L 40 GHz Photodiode Module



Long-wavelength, high-speed microwave photodiode module designed for direct optical-to-electrical conversion of RF-modulated optical signals. The photodetector provides high responsivity of 0.8 A/W with a 3 dB bandwidth of 40 GHz and high linearity of up to 10 mA average photocurrent. The optical input is a 9/125  $\mu\text{m}$  single-mode fiber pigtail with an angled polished, low-reflection FC/APC connector. The bias voltage is supplied by DC pins through an internal bias-tee. The RF K-connector output is DC coupled and RF matched to 50  $\Omega$ .

The photodiode inside this module is a high performance Albis InGaAs p-i-n photodiode, designed to operate in the wavelength region from 1260 to 1620 nm.

### Features

- Hermetically sealed high speed package
- Large bandwidth: > 40 GHz
- High responsivity: 0.8 A/W
- High linearity: up to 10 mA
- High optical return loss: 30 dB