

## PQW10B-L 10 GHz High Power Photodiode Module



PQW10B-L is a high power, high-speed microwave photodiode module designed for direct optical-to-electrical conversion of RF-modulated optical signals around 10 GHz. The photodetector provides high responsivity of 0.85 A/W with a 3 dB bandwidth of 15 GHz and high linearity of up to 60 mA average photocurrent. It is designed to operate in the wavelength region from 1260 to 1620 nm.

The optical input is supplied through a 9/125  $\mu\text{m}$  single-mode fiber pigtail. 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  $50 \Omega$ .

### Features

- Hermetically sealed high speed package
- Typical bandwidth: 15 GHz
- High responsivity: 0.85 A/W
- High linearity: up to 60 mA
- Low operating bias: 5 V