

Si Photodiodes/APDs visible/infrared

With a well experienced team of engineers Kyosemi can offer many standard components, but is also very flexible to respond to customer specific requirements on package or active area.

Features:

- general use (up to 2.6 x 2.6mm, KPD3x-series)
- PIN (1.1x1.1mm, KPID1301 series)
- UV detectors (up to 4.46 x 4.46 mm, KPDU500 series)
- high speed, also avalanche PDs (up to 500µm, 400MHz)
- spherical (1.8mm)

Applications:

- Optical switches and encoders
- Sensors and industrial controls

4.25Gb Photodiode (KPDX4G)

Reliable planar InGaAs photodiodes are packaged in hermetically sealed cans with a flat glass window or a ball lens. Which allows to couple with a multi mode fiber efficiently through the ball lens cap. The KPDX4G has a built-in transimpedance preamplifier and bypass chip capacitors, and is encapsulated in a small TO-46 package. A singlemode pigtail type is available.

The PD shows a wide operating temperature range of -40 to +85degC and a typical sensitivity of 22dBm. The differential voltage output is 200mVpp (typ)

Features:

- low noise high speed TIA
- high reliability
- pigtailed type available

Applications:

- Metro-access
- optical ethernet / LAN
- fiber channel receiver (1x, 2x, 4x)

NEW

Cap Isolated 2-pin Mini Can Si-PD KPID020DS

The Mini Can Si-PD has been developed for high-density assembly of monitoring PD channels. In general, the size of the optical module will be drastically minimized.

The cap (body) is electrically isolated from the two leads (electrodes) to prevent short-circuiting when assembled as an array. It also leads to a small form-factor solution for packaging.

Features:

- Low dark current (Typ.15pA @ VR=10V)
 - Wide wavelength sensitivity (400-1000nm)
 - Small Size (Cap size is 1.96 x 3.35mm)

