



**PRODUCT NAME** : Photodiode 5mm

**PRICE** : Rs 10.00

**SKU** : RM0609



## DESCRIPTION

The photodiode is a semiconductor device that converts light energy into electrical energy causes current flow. The current is generated when photons are absorbed in the photodiode. A small amount of current is also produced when no light is present.

## Features of Photodiode 5MM:

- Excellent linearity of output current as a function of incident light.
- Spectral response from 190 nm to 1100 nm (silicon), longer wavelengths with other semiconductor materials.
- Low noise.
- Ruggedized to mechanical stress.
- Low cost.
- Compact and light weight.
- Long lifetime.
- High quantum efficiency, typically 60-80%.
- No high voltage required.

## Applications of Photodiode 5MM:

- Cameras
- Medical devices
- Safety equipment
- Optical communication devices
- Position sensors
- Bar code scanners
- Automotive devices
- Surveying instruments
- IR sensor

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