



10 GHz InGaAs pin Photodiode

Fermionics new FDHS-30 series is a high speed back-illuminated pin photodiode with a bandwidth of 10 GHz for use in 10 Gb/s applications. Anode and cathode contacts are located on the bottom surface, opposite the light-entry surface. Indium bumps on the chip aid in making electrical connection to an external circuit. This product is available in chip form, or pre-mounted on a miniature Alumina ceramic submount with wrap around electrodes. This detector is sensitive in the wavelength region 950 nm - 1650 nm.

Features:

Diameter of Active Area	30 μ m
Dark Current	< 5 nA @ 5V
Capacitance	< 0.2 pF @ 5V
Responsivity	0.9 A/W (typ @ 1300 nm)
Bandwidth	> 10 GHz @ 5V

New
Product!

*A ceramic mounted FDHS-30
InGaAs detector.*

Applications:

- ◆ 10 Gigabit Ethernet
- ◆ 10 Gigabit Sonet
- ◆ 10 Gigabit Transponder
- ◆ DWDM

