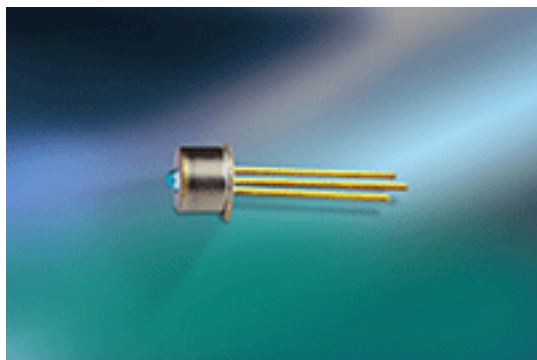


Avalanche Photodiode (APD)



The LAPD 1550-30R is the latest detector in the avalanche photodiode (APD) family. The low-noise, high-sensitivity, 30 μm indium gallium arsenide (InGaAs) mesa structure is part of the 75 and 200 μm APD series. The high speed LAPD 1550-30R operates at 3.5 GHz and features a broad voltage breakdown (V_{br}) curve of 30 V (minimum) to 40 V (maximum) with a typical response of 37 volts. Product is ideal for applications in range-finding, optical time-domain reflectometers (OTDRs), and high-sensitivity line receivers. Product is housed in a hermetically-sealed 3-pin, TO46 package with a lens cap. The low noise, 30 micron InGaAs APD module is RoHS compliant and operates from 1260 nm to 1650 nm with a typical wavelength at 1550 nm. The operating temperature ranges from -40 degrees to 85 degrees C, with a non-operating, storage temperature range from -40 degrees to 100 degrees C.

OSI Laser Diode Inc. www.laserdiode.com [1]

Source URL (retrieved on 01/26/2015 - 6:00am):

<http://www.foodmanufacturing.com/product-releases/2014/05/30um-ingaas-apd-module>

Links:

[1] <http://www.laserdiode.com>