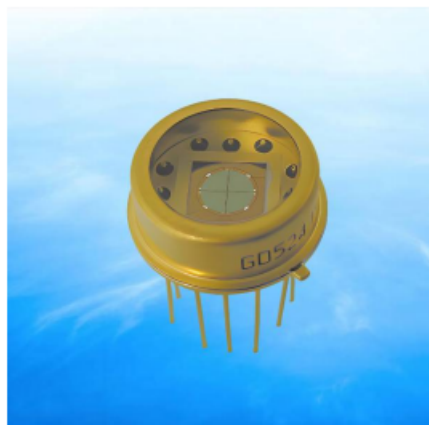


Four-quadrant APD single tube series



The device is a silicon avalanche photodiode with four identical units, the spectral response ranges from visible light to near-infrared, the peak response wavelength is 980nm, and the response at 1064nm can reach 40A/W.

FEATURES

Front Plane Chip Structure

High response frequency, high gain

Large receiving field of view

APPLICATION

Laser guidance

Laser rendezvous and docking

Laser positioning

Photoelectric characteristics (@Ta=22±3°C)

Model		GD5241Y
Package form		TO-8
Photosensitive surface diameter (mm)		4.0 quadrant dividing line 0.1mm
Responsivity M=100 $\lambda=1064\text{nm}$ (A/W)		40
Dark current M=100 $\lambda=1064\text{nm}$ (nA)	Typical	40
	Maximum	100
Working voltage temperature coefficient T=-40°C~85°C(V/°C)		3.2
Total Capacitance (pF)		4.0
Response time (ns)		3.5
Breakdown voltage (V)	Maximum	350
	Maximum	500
Quadrant Inconsistency (%)	Maximum	5
Quadrant crosstalk (%)	Maximum	5