

900nmPIN single tube series



The device is a silicon PIN photodiode, which works under reverse bias conditions. The spectral response ranges from visible light to near-infrared, and the peak response wavelength is 930nm.

FEATURES

Planar orthographic structure
Low dark current
High responsiveness
High reliability

APPLICATION

Optical fiber communication, sensing, ranging
Light detection in the visible to near-infrared range
Fast Light Pulse Detection
Various industrial control systems

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

Model	GT101Φ0.2	GT101Φ0.5	GT101Φ1	GT101Φ2	GT101Φ4	GD3251Y	GT101Φ8	GD3252Y
Package form	Coaxial type I, 5501, TO-46, plug-in type			TO-5	TO-8	TO-8	TO-8	TO-8
Photosensitive surface size (mm)	Φ0.2	Φ0.5	Φ1.0	Φ2.0	Φ4.0	Φ6.0	Φ8.0	5.8x5.8
Spectral response range (nm)	400~1100	400~1100	400~1100	400~1100	400~1100	400~1100	400~1100	400~1100
Peak response wavelength (nm)	930	930	930	930	930	930	930	930
Responsivity λ=900nm(A/W)	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
Dark current VR=15V(nA)	0.1	0.1	0.1	0.5	1.0	10	3.0	10
Rise time Input=900nm VR=15V RL=50Ω(ns)	4	5	5	7	10	20	20	25
Junction capacitance VR=15V, f=1MHz(pF)	0.8	1.2	2.0	6.0	20.0	30	70.0	35
Breakdown voltage (V)	>200	>200	>200	>200	>200	>200	>200	>200