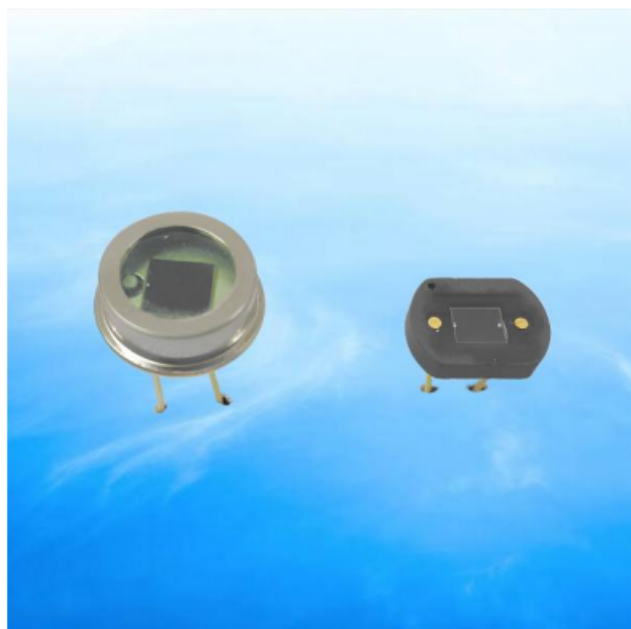


UV enhanced PIN single tube series



The device is a UV-enhanced silicon PIN photodiode, which works under reverse bias conditions. The spectral response ranges from ultraviolet to near-infrared. The peak response wavelength is 800nm, and the response can reach 0.15A/W at 340nm.

FEATURES

Planar orthographic structure
Low dark current
High responsivity in the blue-ultraviolet band
High reliability

APPLICATION

Color Sorter
Medical, environmental monitoring, etc.

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

Model	GD32120K	GD32114K
Package form	TO-5	Ceramics
Photosensitive surface size (mm)	3.6×3.6	2.4×2.8
Spectral response range (nm)	300~1060	300~1060
Peak response wavelength (nm)	800	800
Responsivity $\lambda=340\text{nm}$ (A/W)	0.15	0.15
Dark current VR=10mV(nA)	0.5	0.5
Junction capacitance VR=0V f=1MHz(pF)	1300	1000
Breakdown voltage (V)	50	50