

## 355nm APD single tube series

SKU :GD5210Y-0-1-T05/GD5210Y-0-2-T05

### OVERVIEW

The device is a large photosensitive surface UV-enhanced silicon avalanche photodiode with a spectral response range from UV to NIR.

#### FEATURES :

Positively illuminated planar type chip structure  
 High speed response  
 High Gain

#### APPLICATION :

Medical  
 Bio



### OPTICAL CHARACTERISTICS (@Ta = 22±3°C)

Model	GD5210Y-0-1-T05	GD5210Y-0-2-T05
Package form	TO-5	TO-5
Photosensitive surface diameter(mm)	1.8	3.0
Spectral response range(nm)	300~1100	300~1100
Responsiveness $\lambda=355\text{nm}$ $\Phi=1\mu\text{W}$ $M=100(\text{A/W})$	22.5	22.5
Dark current $M=100(\text{nA})$	Typical	3
	Maximum	10
Operating voltage temperature coefficient $T=-40^{\circ}\text{C}\sim 85^{\circ}\text{C}(\text{V}/^{\circ}\text{C})$	0.4	0.4
Total Capacitance $M=100$ $f=1\text{MHz}(\text{pF})$	20	50
Breakdown voltage $\text{IR}=10\mu\text{A}(\text{V})$	Minimum	80
	Maximum	200