

## PIN Photodiode KDS1001AF2

### Description

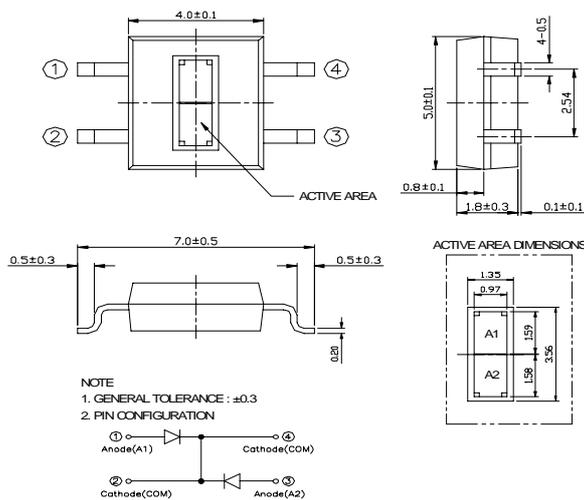
The KDS1001AF2 is a silicon PIN Photodiode has two active areas (Photodiodes) integrated in one chip



### Features

- Two segmented photodiodes
- Flat plastic package
- Laser beam focusing / positioning is best performed
- High-speed response by PIN construction

### Outline Dimensions



### Application

- Automatic focusing of camera
- Sun sensor for the car air conditioner

### Characteristics

[Ta= 25°C ]

Description	Symbol	Condition	Min.	Typ.	Max.	Unit
Open Circuit Voltage	Voc	Ev=1,000lx	-	0.35	-	V
Short Circuit Current	I <sub>sc</sub> (A1)	Ev=1,000lx	18	21	24	μA
Collector Dark Current	I <sub>sc</sub> (A2)		18	21	24	μA
Dark Current	I <sub>D</sub>	V <sub>R</sub> =10V	-	-	20	nA
Capacitance	C <sub>T</sub>	V <sub>R</sub> =10V, f=1MHz	-	10	-	pF
Spectral Sensitivity	λ		450~1,050			nm
Peak Wavelength	λ <sub>p</sub>		-	900	-	nm
Half Angle	Δθ		-	± 65	-	deg.