

PIN Photodiode KDS1001AF2

Description

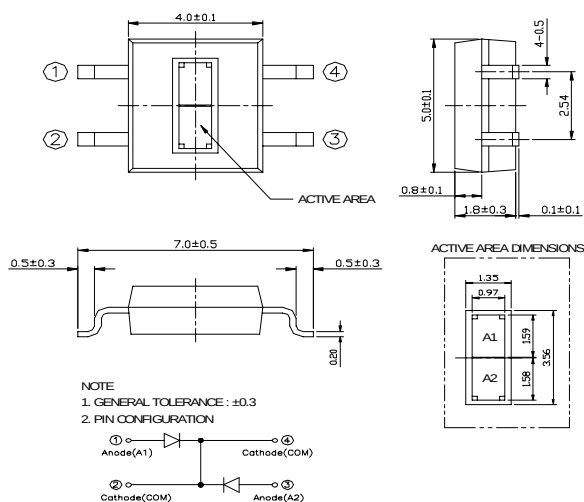
The KDS1001AF2 is a silicon PIN Photodiode has two active areas (Photodiodes) integrated in one chip



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	V _{oc}	E _v =1,000lx	-	0.35	-	V
Short Circuit Current	I _{sc} (A1)	E _v =1,000lx	18	21	24	μA
Collector Dark Current	I _{sc} (A2)		18	21	24	μA
Dark Current	I _D	V _R =10V	-	-	20	nA
Capacitance	C _T	V _R =10V, f=1MHz	-	10	-	pF
Spectral Sensitivity	λ		450~1,050			nm
Peak Wavelength	λ _p		-	900	-	nm
Half Angle	Δθ		-	± 65	-	deg.