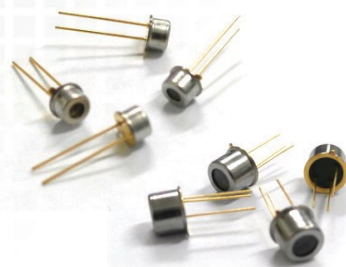


▶ UV Sensor with Large Chip Size (TO-46/39 type)



▪ Application

- UV Index Monitoring
- UV-A Lamp Monitoring
- Sterilization lamp monitoring

▪ Features

- GaN/AlGaIn Based Material
- Schottky-type Photodiode
- No cut-off filters needed
- Photovoltaic Mode Operation
- Good Visible Blindness
- Chip size :
1.4 mm (Active Area : 1.536mm²) - TO46
3.4 mm (Active Area : 6.894mm²) - TO39

1.4mm Chip (TO46 package)

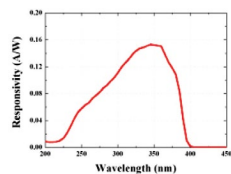
▪ Characteristics (at 25°C)

Parameter	UV Division	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	A / B / C	-	-	20	nA	Vr = 0.1 V
Photo Current		-	3.1/ 1.5/ 0.55	-	μA	UVA/ B/ C Lamp, 1mW/cm ²
Temp. Coeff.		-	0.05 / 0.1 / -0.07	-	%/°C	UVA/ B/C Lamp
Responsivity		-	0.18 / 0.13 / 0.05	-	A/W	λ = 350/ 300/ 254 nm, Vr = 0 V

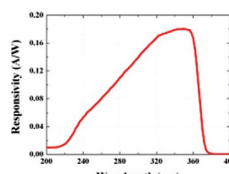
3.4mm Chip (TO39 package)

▪ Characteristics (at 25°C)

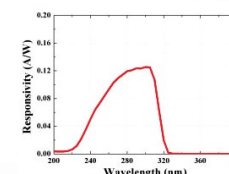
Parameter	UV Division	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	V / A / B / C	-	-	90	nA	Vr = 0.1 V
Photo Current		-	14.7/ 15.6/ 7.4/ 3.3	-	μA	UVA/ A/ B/ C Lamp, 1mW/cm ²
Temp. Coeff.		-	0.15/ 0.05/ 0.1/ -0.07	-	%/°C	UVA/ A/ B/ C Lamp



UVA Sensor



UVB Sensor



UVC Sensor