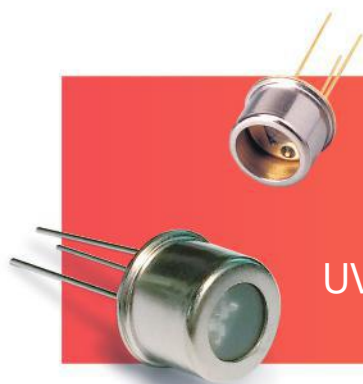




UV Photodiode



UV Sensor Probe



UV Radiometer



Outdoor UV Sensor



APPROPRIATE SOLUTION
PROVIDER FOR UV LIGHTING &
SENSING

Greetings from CEO

“We walk the path together!”

Since its foundation, Genicom Co., Ltd. has grown into a total solution specialist in ultraviolet ray detection technology and products on the back of specialized GaN-based technology and is doing its utmost to emerge as a global sensor specialist by developing various detection and application technologies related to environment. In particular, it aims to create a beautiful company by continuously improving technologies and services and giving back to the society so that human beings can lead a pleasant life in harmony with the environment and both customers and business partners can feel happy.

Thank you.

John Son
CEO



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24	UV Radiometer
26	Outdoor UV Sensor
29	Epitaxial Service
30	Global Network

Company History

2017	- Dec. Development CSP (Chip Scale Package) - Oct. Development New Portable UV Radiometer “MG07.1”
2016	- Oct. Development 180° Wide-Angle UV Radiometer (No Power Supply) - Jul. Start Development of APD (Avalanche Photodiode)
2015	- Oct. Development Digital UV Sensor (UV Index)
2014	- Oct. Transfer to New Factory (273, Baeul 1-ro, Yuseong-gu, Deajeon, Korea) - Oct. Biz with Microsoft
2012	- Nov. Joint Development of UV LED launch with ETRI - Jun. EUREKA Project launch with the Czech, German Companies
2010	- Jun. Supply of UV Sensor to China mobile Company - May. Supply of UV Sensor to Samsung Electronics
2009	- Sep. Development portable UV radiometer - Mar. Development of AlGaIn-based Filter
2008	- Dec. Development of UVC Probe - Jan. Capital Investment from KDB
2007	- Dec. Development of UV Radiometer
2006	- May. Development of InGaIn-based UVA Sensor - Feb. Acquisition of ISO14001 Certificate
2005	- Oct. Development of AlGaIn-based UVC Sensor - May. Supply of UV Sensor to Agilent
2004	- Nov. Acquisition of ISO9001 Certificate - May. Initiation of Sensor Business
2000	- Jul. Establishment

Model Numbering of Products



G UVA – T1 1 G D - L

① ② ③ ④ ⑤ ⑥ ⑦



① **Manufacture**

- **G** : Genicom Co., Ltd.

② **Detection Range**

- **VGR** : ~ 510 nm
- **VBL** : ~ 470 nm
- **UVV** : ~ 395 nm
- **UVA** : ~ 370 nm
- **UVB** : ~ 320 nm
- **UVC** : ~ 280 nm

③ **Package Form**

- **S1** : SMD3528
- **S3** : SMD3535
- **C2** : COB2418
- **C3** : COB2023
- **T1** : TO-46
- **T2** : TO-39 & TO-5

④ **Characteristics**

- From 0 to 9 or A to Z

⑤ **Window Type**

- **G** : Quartz Glass
- **S** : Si-encapsulant
- **E** : Epoxy

⑥ **Product Type**

- **D** : Discrete
- **H** : Hybrid

⑦ **Chip Size**

- **Skip** : 0.23 x 0.23 mm²
- **Skip** : 0.4 x 0.4 mm²
- **L** : 1.4 x 1.4 mm²
- **U** : 3.4 x 3.4 mm²

G UVC – T1 1 G C - 3 LW10

① ② ③ ④ ⑤ ⑥ ⑦ ⑧



① **Manufacture**

- **G** : Genicom Co., Ltd.

② **Detection Range**

- **VGR** : ~ 510 nm
- **VBL** : ~ 470 nm
- **UVV** : ~ 395 nm
- **UVA** : ~ 370 nm
- **UVB** : ~ 320 nm
- **UVC** : ~ 280 nm

③ **Package Form**

- **S1** : SMD3528
- **S3** : SMD3535
- **C2** : COB2418
- **C3** : COB2023
- **T1** : TO-46
- **T2** : TO-39 & TO-5

④ **Characteristics**

- From 0 to 9 or A to Z

⑤ **Window Type**

- **G** : Quartz Glass
- **S** : Si-encapsulant
- **E** : Epoxy

⑥ **Product Type**

- **C** : UV Sensor probe
- **S#** : UV Radiometer #

⑦ **Module Version**

- **3** : Voltage output
- **I#2** : Current output

⑧ **Probe Type**

- **LA** : Air
- **LW** : Water
- **LO** : High Temperature
- **H** : Outdoor
- **AG** : Outdoor UVI Meter

UV Sensor Selection Guide

UV Wavelength

- U V - V (230~395nm)
- U V - A (230~370nm)
- U V - B (220~320nm)
- U V - C (220~280nm)
- B L U E (345~470nm)
- GREEN (300~510nm)

Applications

- UV Curing
- Air Purification
- Water Sterilization
- Flame sensing
- High Temperature
- Outdoor Irradiance
- UV LED Monitoring
- UV LAMP Monitoring
- UV Index Monitoring

UV Optical source

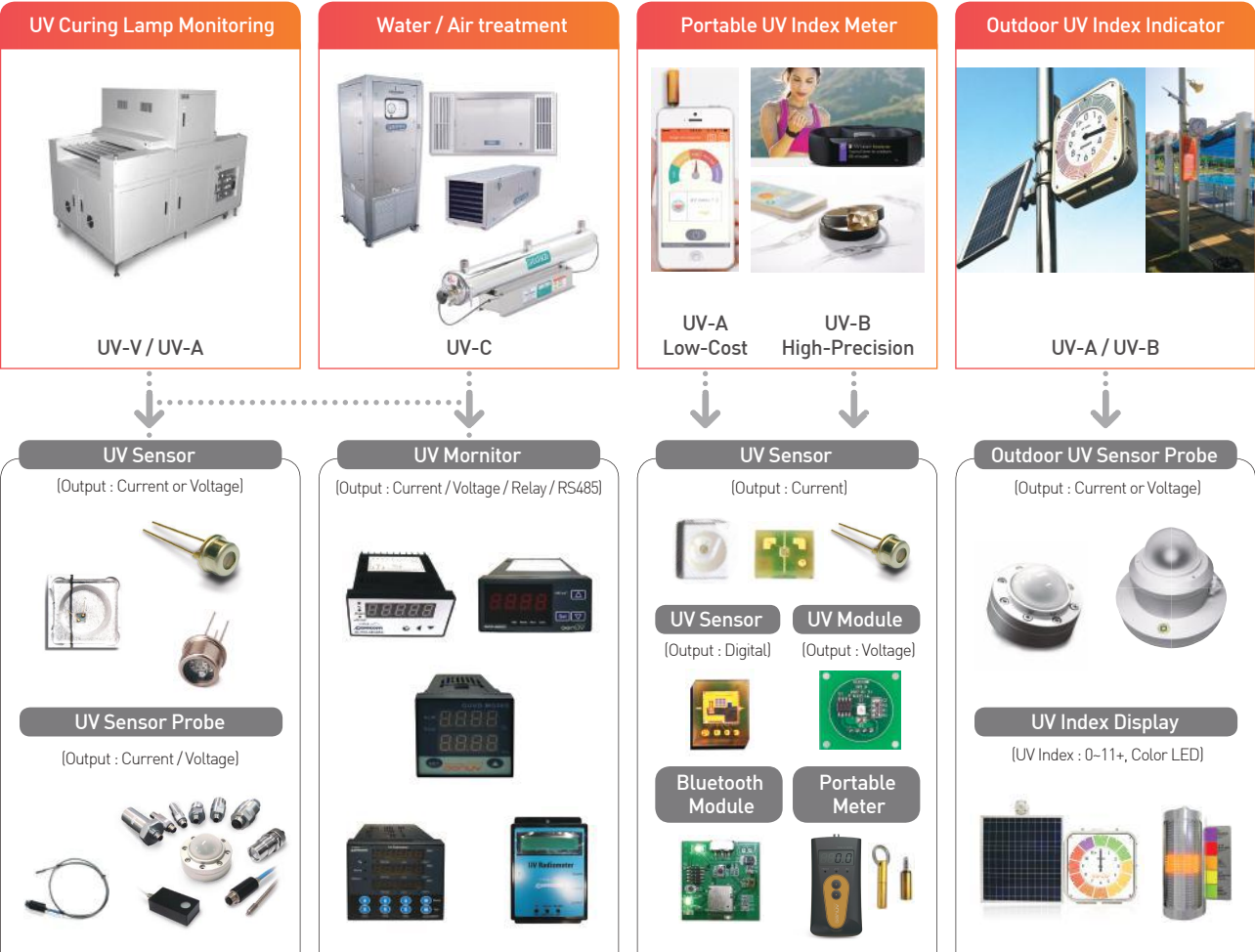
- How many Lamps in operation ?
- Optical power of UV ?
- UV Source ?
 - Hg UV Low Pressure Lamp
 - Hg UV Medium Pressure Lamp
 - UV LED
 - Flame (Spark, Arc)
 - Other
- Distance of UV Lamp and Sensor ?
- Operating Temperature ?

Output Type

- Digital (UV Index {1~11+})
- Voltage (0~5V)
- Current (4~20mA)

Items

- Epi Wafer
- UV Photodiode
- UV Sensor Probe
- UV Radiometer
- Connection Cable (m)
- Data Logger
- Test Module
- Test Jig and Lamp
- Reference Meter



UV Sensor Products



UV Sensor Component

Category		Visible		UWV				UVA					
Wavelength (nm)		Blue	~ 470	~ 395				~ 370					
		Green	~ 510										
Product Image													
PKG Type		SMD	TO	SMD	TO	TO	TO	COB	SMD	SMD	TO	TO	TO
		3528	46	3528	46	39	5	2418	3535	3528	46	39	5
Chip Size / Active Area (mm²)	0.23 / 0.016	Small	Small										
	0.4 / 0.076			STD.	STD.		STD.	STD.	STD.	STD.	STD.		STD.
	1.4 / 1.536				Large						Large		
	3.4 / 6.894					Ultra Large						Ultra Large	
Responsivity	Peak (nm)	Blue: 405 Green: 385		355				360					
Application	Wearable (UV Index)							●		●			
	UV Index							●		●			
	UV Curing			●	●	●	●		●		●	●	●
	Sterilization										●		●
Output	Current	nA	nA	nA	nA	μA		nA	nA	nA	nA	μA	
	Voltage						V						V
	Digital												
Optical Source Power range	Min(μW/cm²)	0.1	0.1	0.1	0.1 0.01	0.001	-	0.1	0.1	0.1	0.1 0.01	0.001	-
	Max(mW/cm²)	100	100	100	100	100	-	100	100	100	100	100	-
Angle of Incidence(°)		100	60	100	60	60	60	120	150	100	60	60	60

Category		UVB						UVC				Digital	
Wavelength (nm)		~ 320						~ 280				~ 370	~ 320
Product Image													
PKG Type		COB	SMD	SMD	TO	TO	TO	SMD	TO	TO	TO	COB	COB
		2418	3535	3528	46	39	5	3535	46	39	5	2023	2023
Chip Size / Active Area (mm²)	0.23 / 0.016											Small	Small
	0.4 / 0.076	STD.	STD.	STD.	STD.		STD.	STD.	STD.		STD.		
	1.4 / 1.536				Large				Large				
	3.4 / 6.894					Ultra Large				Ultra Large			
Responsivity	Peak (nm)	305						265				355	305
Application	Wearable (UV Index)	●		●								●	●
	UV Index	●		●	●	●	●					●	●
	UV Curing		●										
	Sterilization							●	●	●	●		
Output	Current	nA	nA	nA	nA	μA		nA	nA	μA			
	Voltage						V				V		
	Digital											0-11+	0-11+
Optical Source Power range	Min(μW/cm²)	1	0.1	1	0.1 0.01	0.001	-	0.1 0.01	0.1 0.01	0.001	-	Sunlight	
	Max(mW/cm²)	100	100	100	100	100	-	100	100	100	-		
Angle of Incidence(°)		120	150	100	60	60	60	150	60	60	60	120	120

UV Sensor Products



UV Sensor Probe and Radiometer

Application (environment)	Air treatment / UV Curing					Temperature & UV		UV Index / Irradiance	
Product Image									
Series Name	LA2	LA5	LA6	LA8	L0	TLW5	TLW10	H3	H6
Feature	General	Separable cable	Adjustable output	High intensity UV	High temp. (200℃)	Small	General	outdoor	Wide Angle
Supply Voltage	5V	●	●	●	●			●	N/A
	9~24V	●	●	●	●	●	●	●	N/A
Output	0~5V	●	●	●	●	●	●	●	●
	4~20mA				●			●	
Size	Thread / Length (mm)					PT1/4", 12	PT3/4", 16		
	Angle(°)	60	60	60	20	30	30	100	180

Application (environment)	Water treatment								
Product Image									
Series Name	LW5	LW5.1	LW5.2	LW8.1	LW9	LW10	LW11	DVGW	
Feature	Small	O-ring	High pressure	Proximity	Affordable	General	4-Direction	Sensor shaft	Window tube
Supply Voltage	5V	●	●	●	●	●	●		
	9~24V	●	●	●	●	●	●	●	●
Output	0~5V	●	●	●	●	●	●		
	4~20mA	●	●	●	●	●	●	●	●
Size	Thread / Length (mm)	PT1/4", 12	PT1/4", 12	PT3/4", 11	NPT1/2",12	PT3/4", 11	PT3/4", 16	PT 1¼", 21	G1", 34
	Angle(°)	30	30	30	30	30	30	360	40



UV Sensor Products



UV Sensor Probe and Radiometer

Application		Portable UV Radiometer				UV Index Indicator		Smart UVI (mobile)	
Product Image									
Series Name		MG07			MG07.1-LA9	AG03.3	AG03.4	LM01	LM02
Feature		Total UV Meter	UVC Meter	UV Index Meter	Sensor Probe separable	Basic	Solar power	UV Index Checker	UV Index Meter
Supply Voltage	DC	9V Battery				12V	12V	N/A	N/A
	AC					90 ~ 264V	N/A		
Display	Absolute Power	mW / cm ²	mW / cm ²		Absolute Power [mW/cm ²] Dose display (mJ/cm2) Max power LA9-H(Max.10W/cm ²)				
	UV Index			0~11+		0~11+	0~11+	0~11+	0~11+

Application		UV monitoring Radiometer							
Product Image									
Series Name		AC02	MG01	MG02		MG04	MG05	MG05.1	MG06
Feature		UVC Radiometer	Power selection	General	Current Measure	RS485[VC]	3 CH LED	General	RS485 Dose disp.
Supply Voltage	DC	DC 5V or 12V	9V						
	AC		86~230V AC 220V	100 ~ 240V		200 ~ 240V	85 ~ 265V		85 ~ 265V
Output	Relay	●		●		●	●		●
	Voltage		0~5	0~5	0~5		1~5		
	Current		4~20		4~20	4~20	4~20		4~20
Display	Absolute Power	mW / cm ²	mW / cm ²	mW / cm ²	mW / cm ²	mW / cm ²	mW / cm ²	+ mJ/cm2 Max power	
	Relative Power	%	%			%	%		%
	Accumulative Time	min	min			hr	hr		hr
	RS485 Comm.				●			●	
Probe Type	LA Series		LA	LA		LA	LA	LA	LA
	LW Series		LW5, LW10	LW5, LW6, LW8, LW9, LW10, LW11		LW5, LW10	LW5, LW9, LW10, LW11		LW5, LW10
	LO Series		LO	LO		LO	LO		LO

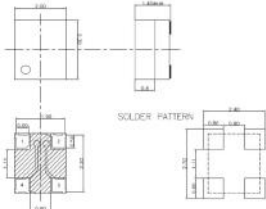
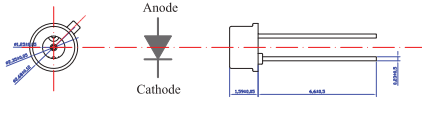
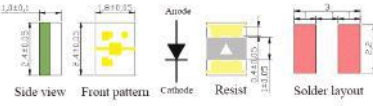
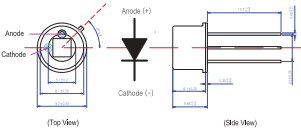
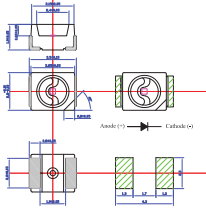
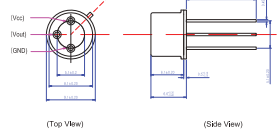
UV Sensor Products



Product of UV Sensor according to detection range

Division	Package Type	Product Name	Detection Range	Appliance
UW	TO 46	GUW-T10GD	230nm ~ 395nm	Full UV Band Monitoring, UV-A Lamp Monitoring UV LED Monitoring (< 390nm) UV Curing, Counterfeit Detector
	SMD 3528	GUW-S10SD	240nm ~ 395nm	
UVA	TO 46	GUVA-T11GD	220nm ~ 370nm	UV Index Monitoring UV-A Lamp Monitoring Sterilization Lamp (UV-C Lamp) Monitoring UV LED Monitoring (< 360nm) UV Curing
	SMD 3528	GUVA-S12SD	240nm ~ 370nm	UV Index Monitoring on Portable Device (Mobile Phone..) UV-A Lamp Monitoring, UV LED Monitoring (< 360nm)
	COB 3224	GUVA-C22SD	240nm ~ 370nm	
UVB	TO 46	GUVB-T11GD	220nm ~ 320nm	UV Index monitoring for Precise Application UV-B Lamp Intensity Monitoring UV LED Monitoring
	SMD 3528	GUVB-S11SD	240nm ~ 320nm	
	SMD 3535	GUVB-S31GD	240nm ~ 320nm	
	COB 3224	GUVB-C21SD	240nm ~ 320nm	
UVC	TO 46	GUVC-T10GD	220nm ~ 280nm	Sterilization Lamp (UV-C Lamp) Monitoring (UV Water Sterilization, UV Air Purification) Flame Sensing
	SMD 3535	GUVC-S10GD		

Package type of UV Sensor components

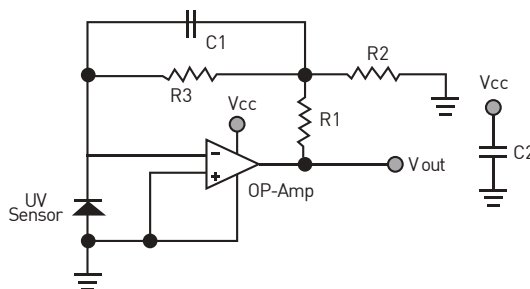
Type	Package name	PKG Image	Type	Package name	PKG Image
COB	COB 2023		TO	TO 46	
	COB 2418			TO 39	
SMD	SMD 3528			TO 5	

Operation Information

Absolute Maximum Ratings

Parameter	Symbol	Min.	Max.	Unit	Remark
Storage Temperature	T_{st}	-40	90	°C	
Operating Temperature	T_{op}	-30	85	°C	
Reverse Voltage	$V_{r,max}$		5	V	
Forward Current	$I_{f,max}$	0.1μ	1	mA	
Optical Source Power Range	P_{opt}		100m	W/cm ²	UVA Lamp
Soldering Temperature	T_{sol}		260	°C	within 10 sec.

Application Circuit



Part No.	Model or Value	Function	Remark
UV Sensor	UV Index : GUVA-S12SD, GUVB-S11GD UV LED monitoring : GUW-S10SD Sterilization : GUV-C-T10GD	UV Sensing	Anode connects to ground.
Op-Amp	MCP6241 (Vcc=1.8 ~ 5.5 V) LMC6081 (Vcc=4.5 ~ 15 V) OPA237 (Vcc=2.7 ~ 36 V)	Amplification	Input Offset Current < 1 nA
C1	1 nF	Decreasing the input noise	Decrease the value for fast response (e.g. 100 pF), Increase the value for small error (e.g. 10 nF)
C2	0.1μF	Stabilization of power	Internal voltage of capacitor > Vcc
R1, 2, 3	GUVA-S12SD : R3=6.8MΩ, R1=0Ω, R2=X GUVB-S11GD : R3=10MΩ, R1=11kΩ, R2=1kΩ GUV-C-T10GD : R3=7.5MΩ, R1=0Ω, R2=X	Decide the output voltage	Gain : $R3 \times (1 + R1/R2)$

UV / Visible Sensor

GVBL-S12SD

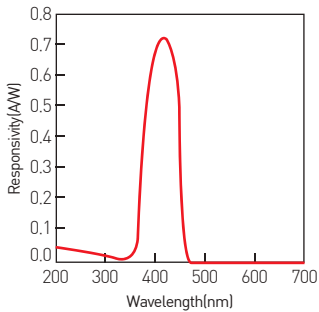


Features

- SMD3528 with Si-encapsulant
- Indium Gallium Nitride Based Material
- PN-type Photodiode
- Photovoltaic Mode Operation
- High Responsivity & Low Dark Current

Applications

- UV LED Monitoring (385, 405nm, etc.)
- Blue LED Monitoring
- UVA Lamp Monitoring
- UV Curing



Characteristics [at 25°C]

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			1	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}		90		nA	UVA (352nm), 1mW/cm ²
			790			405nm LED, 1mW/cm ²
Responsivity	R		0.68		A/W	$\lambda = 405\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	345		450	nm	10% of R

GVBL-T12GD

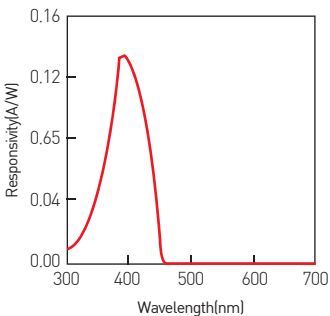


Features

- TO-46 with quartz glass
- Indium Gallium Nitride Based Material
- PN-type Photodiode
- Photovoltaic Mode Operation
- High Responsivity & Low Dark Current

Applications

- UV LED Monitoring (385, 405nm, etc.)
- Blue LED Monitoring
- UVA Lamp Monitoring
- UV Curing



Characteristics [at 25°C]

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			1	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}		550		nA	LED (385nm), 1mW/cm ²
Responsivity	R		0.13		A/W	$\lambda = 385\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	330		445	nm	10% of R

GVGR-S11SD

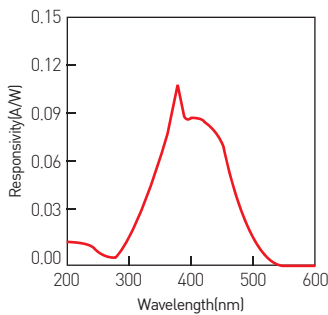


Features

SMD3528 with Si-encapsulant
Indium Gallium Nitride Based Material
PN-type Photodiode
Photovoltaic Mode Operation
High Responsivity & Low Dark Current

Applications

UV LED Monitoring (385, 405nm, etc.)
Blue LED Monitoring
UVA Lamp Monitoring
UV Curing



Characteristics [at 25°C]

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			1	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}		44		nA	LED (405nm), 1 mW/cm^2
Responsivity	R		0.07		A/W	$\lambda = 405\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	295		490	nm	10% of R

GVGR-T10GD

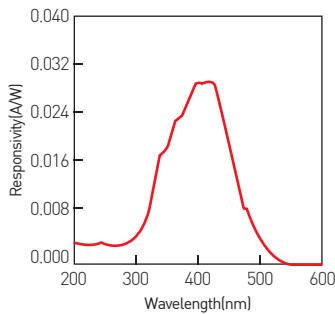


Features

T0-46 with quartz glass
Indium Gallium Nitride Based Material
PN-type Photodiode
Photovoltaic Mode Operation
High Responsivity & Low Dark Current

Applications

UV LED Monitoring (385, 405nm, etc.)
Blue LED Monitoring
UVA Lamp Monitoring
UV Curing



Characteristics [at 25°C]

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			1	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}		11		nA	LED (405nm), 1 mW/cm^2
Temperature Coefficient	Tc		-0.08		%/°C	
Responsivity	R		0.026		A/W	$\lambda = 405\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	300		510	nm	10% of R

UV-V Sensor

GUVV-T10GD

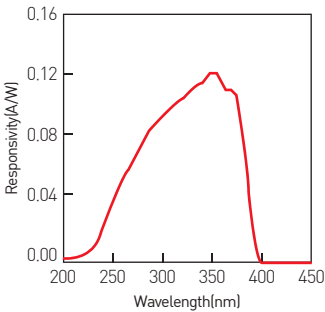


Features

Indium Gallium Nitride Based Material
Schottky-type Photodiode
Photovoltaic Mode Operation
High Responsivity & Low Dark Current

Applications

UVA Lamp Monitoring
Full UV Band Monitoring
Sterilization Lamp Monitoring



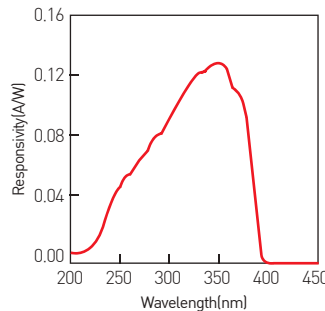
Characteristics [at 25°C]

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			1	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	147	163	179	nA	UVA Lamp, 1 mW/cm^2
Temperature Coefficient	I_{tc}		0.1		%/°C	UVA Lamp
Responsivity	R		0.12		A/W	$\lambda = 350\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	230		395	nm	10% of R
Active area			0.076		mm^2	

GUVV-T10GD-L

Characteristics [at 25°C]

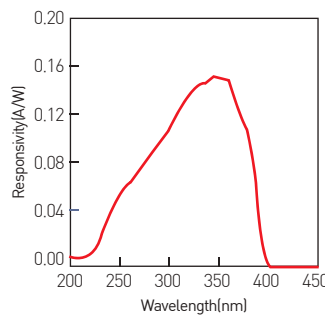
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			20	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	2.34	2.6	2.86	μA	UVA Lamp, 1 mW/cm^2
Temperature Coefficient	I_{tc}		0.1		%/°C	UVA Lamp
Responsivity	R		0.13		A/W	$\lambda = 350\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	230		395	nm	10% of R
Active area			1.536		mm^2	



GUVV-T20GD-U

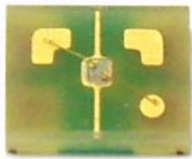
Characteristics [at 25°C]

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			90	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	13.2	14.7	16.1	μA	UVA Lamp, 1 mW/cm^2
Temperature Coefficient	I_{tc}		0.1		%/°C	UVA Lamp
Responsivity	R		0.15		A/W	$\lambda = 352\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	230		395	nm	10% of R
Active area			6.894		mm^2	



UV-A Sensor

GUVA-C22SD

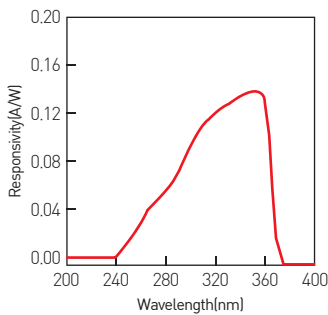


Features

- Gallium Nitride Based Material
- Schottky-type Photodiode
- Photovoltaic Mode Operation
- Good Visible Blindness
- High Responsivity & Low Dark Current

Applications

- UV Index Monitoring
- UVA Lamp Monitoring



Characteristics [at 25°C]

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			1	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	101	113	125	nA	UVA Lamp, 1 mW/cm^2
			17		nA	1 UVI
Temperature Coefficient	I_{tc}		0.08		%/°C	UVA Lamp
Responsivity	R		0.14		A/W	$\lambda = 350\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	240		370	nm	10% of R
Active area			0.076		mm^2	

GUVA-S12SD

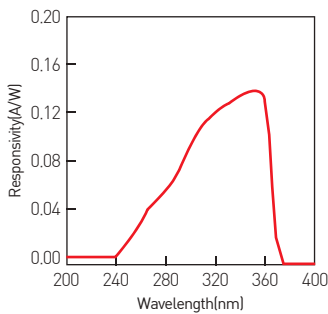


Features

- Gallium Nitride Based Material
- Schottky-type Photodiode
- Photovoltaic Mode Operation
- Good Visible Blindness
- High Responsivity & Low Dark Current

Applications

- UV Index Monitoring
- UVA Lamp Monitoring



Characteristics [at 25°C]

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			1	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	101	113	125	nA	UVA Lamp, 1 mW/cm^2
			21		nA	1 UVI
Temperature Coefficient	I_{tc}		0.08		%/°C	UVA Lamp
Responsivity	R		0.14		A/W	$\lambda = 350\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	240		370	nm	10% of R
Active area			0.076		mm^2	

GUVA-T11GD

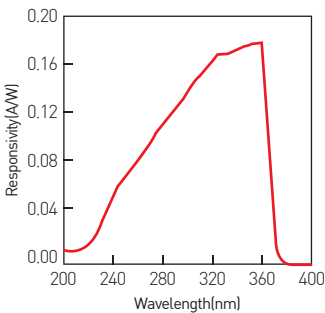


Features

- Gallium Nitride Based Material
- Schottky-type Photodiode
- Photovoltaic Mode Operation
- Good Visible Blindness
- High Responsivity & Low Dark Current

Applications

- Full UV Band Monitoring
- UV Index Monitoring
- UVA Lamp Monitoring



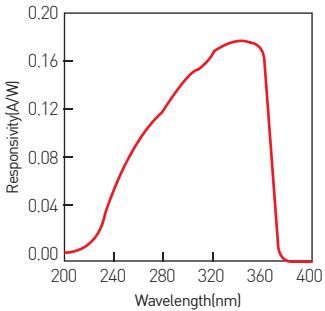
Characteristics (at 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			1	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	145	161	177	nA	UVA Lamp, 1 mW/cm^2
			93		nA	UVC Lamp, 1 mW/cm^2
Temperature Coefficient	I_{tc}		0.05		%/°C	UVA Lamp
Responsivity	R		0.18		A/W	$\lambda = 350\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	220		370	nm	10% of R
Active area			0.076		mm^2	

GUVA-T11GD-L

Characteristics (at 25°C)

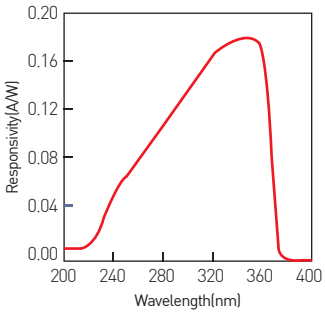
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			20	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	2.8	3.1	3.4	μA	UVA Lamp, 1 mW/cm^2
Temperature Coefficient	I_{tc}		0.05		%/°C	UVA Lamp
Responsivity	R		0.18		A/W	$\lambda = 350\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	220		370	nm	10% of R
Active area			1.536		mm^2	



GUVA-T21GD-U

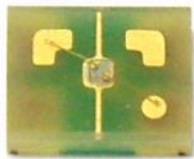
Characteristics (at 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			90	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	14.1	15.6	17.1	μA	UVA Lamp, 1 mW/cm^2
Temperature Coefficient	I_{tc}		0.05		%/°C	UVA Lamp
Responsivity	R		0.18		A/W	$\lambda = 350\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	220		370	nm	10% of R
Active area			6.894		mm^2	



UV-B Sensor

GUVB-C21SD

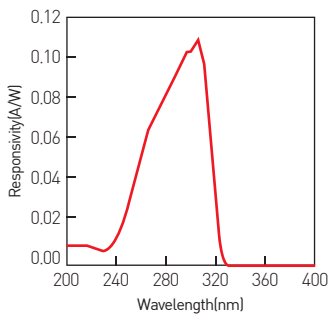


Features

- Aluminium Gallium Nitride Based Material
- Schottky-type Photodiode
- Photovoltaic Mode Operation
- Good Visible Blindness
- High Responsivity & Low Dark Current

Applications

- UV Index Monitoring



Characteristics [at 25°C]

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			1	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	64	71	78	nA	UVB Lamp, 1 mW/cm^2
			1.4		nA	1 UVI
Temperature Coefficient	I_{tc}		0.1		%/°C	UVB Lamp
Responsivity	R		0.11		A/W	$\lambda = 300\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	240		320	nm	10% of R
Active area			0.076		mm^2	

GUVB-S11SD

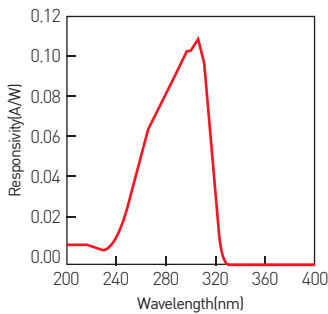


Features

- Aluminium Gallium Nitride Based Material
- Schottky-type Photodiode
- Photovoltaic Mode Operation
- Good Visible Blindness
- High Responsivity & Low Dark Current

Applications

- UV Index Monitoring



Characteristics [at 25°C]

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			1	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	62	69	75	nA	UVB Lamp, 1 mW/cm^2
			1.4		nA	1 UVI
Temperature Coefficient	I_{tc}		0.1		%/°C	UVB Lamp
Responsivity	R		0.11		A/W	$\lambda = 300\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	240		320	nm	10% of R
Active area			0.076		mm^2	

GUVB-T11GD

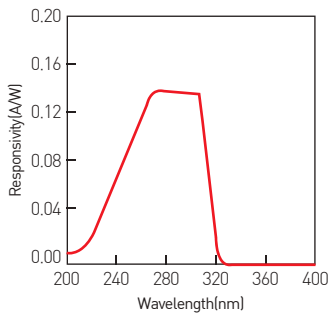


Features

Aluminium Gallium Nitride Based Material
Schottky-type Photodiode
Photovoltaic Mode Operation
Good Visible Blindness
High Responsivity & Low Dark Current

Applications

UV Index Monitoring
UVB Lamp Monitoring



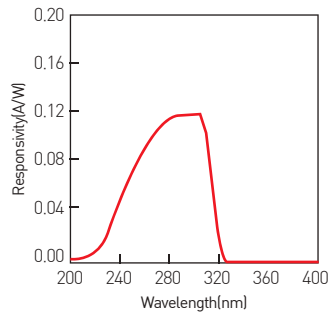
Characteristics [at 25°C]

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			1	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	69	76	84	nA	UVB Lamp, 1 mW/cm^2
			1.7		nA	1 UVI
Temperature Coefficient	I_{tc}		0.1		%/°C	UVB Lamp
Responsivity	R		0.13		A/W	$\lambda = 300\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	220		320	nm	10% of R
Active area			0.076		mm^2	

GUVB-T11GD-L

Characteristics [at 25°C]

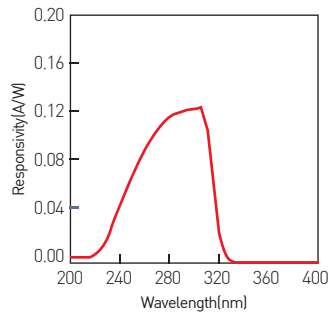
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			20	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	1.35	1.5	1.65	μA	UVB Lamp, 1 mW/cm^2
Temperature Coefficient	I_{tc}		0.1		%/°C	UVB Lamp
Responsivity	R		0.13		A/W	$\lambda = 300\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	220		320	nm	10% of R
Active area			1.536		mm^2	



GUVB-T21GD-U

Characteristics [at 25°C]

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			90	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	6.7	7.4	8.1	μA	UVB Lamp, 1 mW/cm^2
Temperature Coefficient	I_{tc}		0.1		%/°C	UVB Lamp
Responsivity	R		0.13		A/W	$\lambda = 300\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	220		320	nm	10% of R
Active area			6.894		mm^2	



UV-C Sensor

GUVC-T10GD

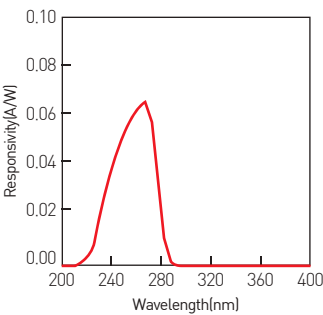


Features

- Aluminium Gallium Nitride Based Material
- Schottky-type Photodiode
- Photovoltaic Mode Operation
- Good Solar Blindness
- High Responsivity & Low Dark Current

Applications

- Pure UVC Monitoring
- Sterilization Lamp Monitoring



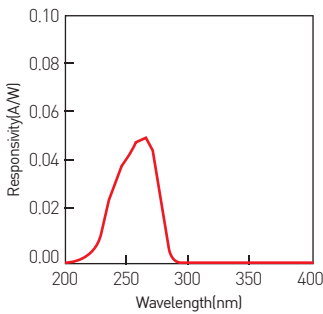
Characteristics [at 25°C]

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			1	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	31	34	38	nA	UVC Lamp, 1 mW/cm^2
Temperature Coefficient	I_{tc}		-0.07		%/°C	UVC Lamp
Responsivity	R		0.06		A/W	$\lambda = 254\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	220		280	nm	10% of R
Active area			0.076		mm^2	

GUVC-T10GD-L

Characteristics [at 25°C]

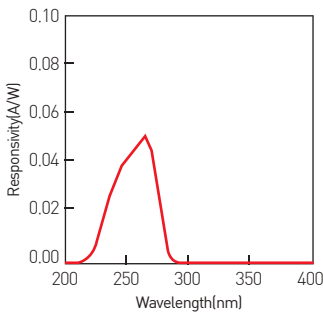
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			20	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	0.5	0.55	0.6	μA	UVC Lamp, 1 mW/cm^2
Temperature Coefficient	I_{tc}		-0.07		%/°C	UVC Lamp
Responsivity	R		0.05		A/W	$\lambda = 254\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	220		280	nm	10% of R
Active area			1.536		mm^2	



GUVC-T20GD-U

Characteristics [at 25°C]

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			90	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	2.95	3.25	3.55	μA	UVC Lamp, 1 mW/cm^2
Temperature Coefficient	I_{tc}		-0.07		%/°C	UVC Lamp
Responsivity	R		0.06		A/W	$\lambda = 254\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	220		280	nm	10% of R
Active area			6.894		mm^2	



UV Sensor / SMD Metal PKG

GUVA-S31GD

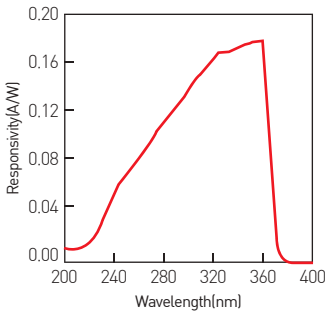


Features

Aluminium Gallium Nitride Based Material
Schottky-type Photodiode
Photovoltaic Mode Operation
Good Solar Blindness
High Responsivity & Low Dark Current

Applications

UVA Lamp Monitoring
UV Index Monitoring



Characteristics (at 25°C)

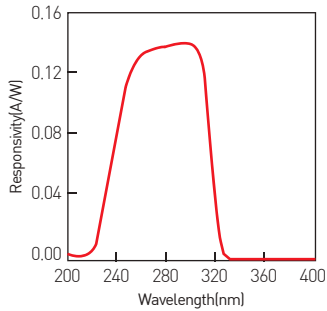
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			1	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	145	161	177	nA	UVA Lamp, 1 mW/cm^2
Temperature Coefficient	I_{tc}		0.05		%/°C	UVA Lamp
Responsivity	R		0.18		A/W	$\lambda = 350\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	220		370	nm	10% of R
Active area			0.076		mm^2	

GUVB-S31GD

Applications UVB Lamp Monitoring
UV Index Monitoring

Characteristics (at 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			1	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	73	80	88	nA	UVB Lamp, 1 mW/cm^2
			1.8			1UVI
Temperature Coefficient	I_{tc}		0.1		%/°C	UVB Lamp
Responsivity	R		0.14		A/W	$\lambda = 300\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	220		320	nm	10% of R
Active area			0.076		mm^2	

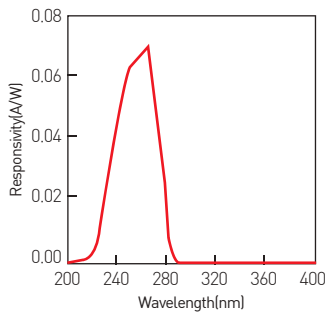


GUVC-S10GD

Applications Pure UVC Monitoring
Sterilization Lamp Monitoring

Characteristics (at 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I_d			1	nA	$V_r = 0.1\text{ V}$
Photo Current	I_{ph}	35	39	42	nA	UVC Lamp, 1 mW/cm^2
Temperature Coefficient	I_{tc}		-0.07		%/°C	UVC Lamp
Responsivity	R		0.07		A/W	$\lambda = 254\text{ nm}$, $V_r = 0\text{ V}$
Spectral Detection Range	λ	220		280	nm	10% of R
Active area			0.076		mm^2	



UV Sensor with Amplified Voltage Output

GUVx-T1xGH



Features

- Single Supply Voltage Operation
- Amplified Voltage Output
- High Sensitivity and Good Solar Blindness
- Small and Compact Size

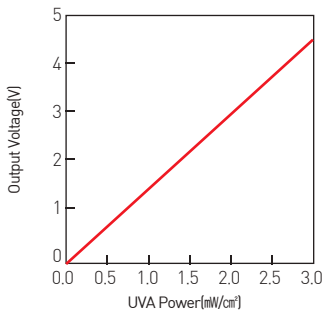
Common Condition

Parameter	Min.	Typ.	Max.	Unit	Remark
Operating Temperature	-30	-	90	°C	
Storage Temperature	-25	-	85	°C	
Supply Voltage	1.8	-	5.5	V	DC
Supply Current	-	50	-	μA	
Response Time	-	5	-	ms	

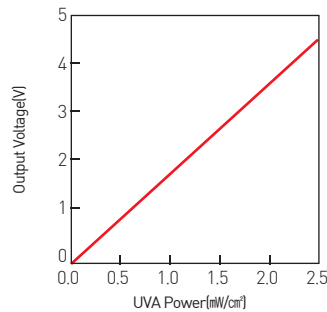
Characteristics (at 25°C)

Model No.	Detection Range	Output Voltage (Typ. @1mW/cm²)	Detection Power Range (mW/cm² @Vcc=5V)	Application	Remark
GUVV-T21GH	230 ~ 395 nm	1.55V	0 ~ 3.22	UV LED Monitoring	352 nm
GUVA-T21GH	220 ~ 370 nm	1.88V	0 ~ 2.7	UV Cure & UVA Lamp Monitoring	352 nm
GUVB-T21GH	220 ~ 320 nm	0.72V	0 ~ 6.9	UVB Lamp Monitoring	306 nm
GUVC-T21GH	220 ~ 280 nm	0.355V	0 ~ 13.3	Sterilization Lamp Monitoring	254 nm

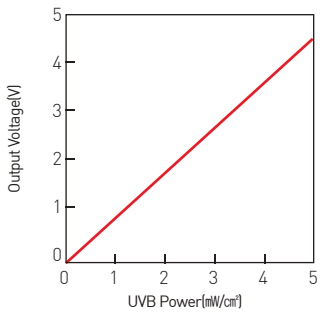
GUVV-T21GH



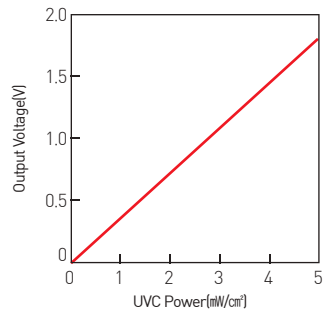
GUVA-T21GH



GUVB-T21GH

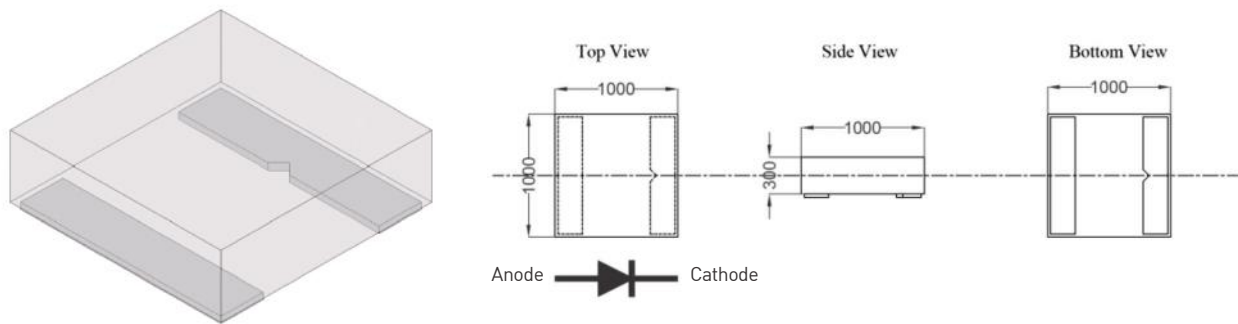


GUVC-T21GH



UV Sensor – Chip Scale PKG^{New}

GUVC-S40GD



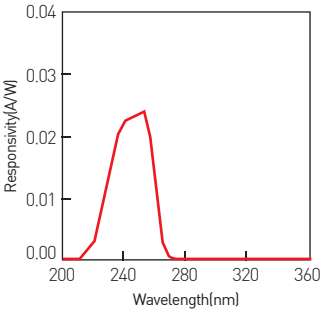
Features

Aluminium Gallium Nitride Based Material
Schottky type Photodiode
Photovoltaic Mode Operation
Good Visible Blindness

CSP (Chip scale package) type UV sensor
Subminiature PKG size (1.0 x 1.0 x 0.3 mm³)
Sapphire window (UVC range penetration)
No needed wire bonding process
SMT process available

Absolute Maximum Ratings

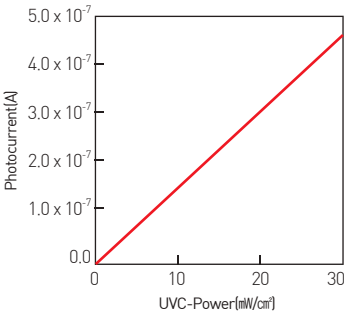
Parameter	Symbol	Min.	Max.	Unit	Remark
Storage Temperature	T _{st}	-40	90	°C	
Operating Temperature	T _{op}	-30	85	°C	
Reverse Voltage	V _{r, max.}		3	V	
Forward Current	I _{f, max.}		1	mA	
Optical Source Power Range	P _{OPT}	0.1m	100m	W/cm ²	UVC Lamp
Soldering Temperature	T _{sol}		260	°C	10% of R



※Notice: apply to us in the case that Optical Source Power is over 100,000µW/cm².

Characteristics [at 25°C]

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I _d			1	nA	V _r = 0.1 V
Photo Current	I _{ph}		150		nA	UVC Lamp, 1mW/cm ²
Temperature Coefficient	I _{tc}		-0.07		%/°C	UVC Lamp
Responsivity	R		0.03		A/W	λ = 254nm, V _r = 0 V
Spectral Detection Range	λ	220		280	nm	10% of R
Active area			0.827		mm ²	





UV Sensor Probe (LA / LO Series)

Description

Sensor Cable : Standard length of connection cable 5m. Custom order extend length Max. 10m(Vout).
Measuring light intensity range can be changed according to customer's request. (Ex. 10, 1000mW/cm²)

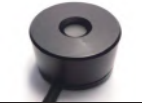
Detection Range along UV Sensor

Model No.	Detection Range	Model No.	Detection Range
GUUV -T10GC-xLxx	230 ~ 395 nm	GUVB -T11GC-xLxx	220 ~ 320 nm
GUVA -T11GC-xLxx	220 ~ 370 nm	GUVC -T10GC-xLxx	220 ~ 280 nm

Specifications

Supply Voltage (Vcc)	Output	Operating Temperature	Working humidity
5 VDC or 9~24 VDC	0 ~ 5 VDC or 4 ~ 20 mA	-30~85°C	35~85 %RH

LA & LO Series (Air Environment, AL-60)

Feature	Picture	Name	Size (W x H x D)	Window (mm)	Power	Output	Max. Power
General		LA2	55 x 30 x 16mm ³	12	9 ~ 24 VDC	0 ~ 5 VDC	100mW/cm ²
Small size, Separable Cable		LA5	36 x 30 x 16mm ³	12	5 VDC	0 ~ 5 VDC	100mW/cm ²
Adjustable output Gain		LA6	36 x 30 x 19mm ³	12	5VDC 9~26VDC (Option)	0 ~ 5 VDC	100mW/cm ²
High Intensity UV LED(20W)		LA8	36 x 30 x 21mm ³	12	9 ~ 24 VDC	0 ~ 5 VDC	10,000mW/cm ²
Portable Meter Sensor Probe		LA9	Ø35 x 25h	9	Connect with Portable meter(MG-07)		100mW/cm ²
High Temperature ~ 200°C		L01	Diameter : 20 mm Total Length : 56 mm Length of Optical Fiber: 1m(L)	1	9 ~ 24 VDC	0 ~ 5 VDC	1,000mW/cm ²

UV Sensor Probe (LW Series)

LW Series (Water Environment, STS 316-L, IP68, 10~20bar)

Feature	Picture Name		Thread / Length for Mounting	Diameter (mm)	Window (mm)	Length (mm)	Power (V)	Output	Max. Power
Small		LW5.0	PT 1/4", 12 mm	21	7	63	9 ~ 24 VDC	4~20 mA	100 mW/cm²
O-ring		LW5.1	FT 1/4", 12 mm	21	7	63	9 ~ 24 VDC	4~20 mA	100 mW/cm²
High pressure < 20bar		LW5.2-M	PT 3/4", 11 mm	21	7	71	9 ~ 24 VDC	0 ~ 5 VDC	100 mW/cm²
		LW5.2-G	PT 3/4", 11 mm	21	7	67	9 ~ 24 VDC	0 ~ 5 VDC	100 mW/cm²
Vicinity		LW8.1	NPT1/2", 12 mm	14	10	67	9 ~ 24 VDC	4~20 mA	100 mW/cm²
Submerge		LW9	NPT3/4", 11 mm	23	12	41.5	5 VDC	0 ~ 5 VDC	20 mW/cm²
General		LW10	PT3/4", 16 mm	30	7	62	9 ~ 24 VDC	0 ~ 5 VDC	100 mW/cm²
4-direction		LW11	PT 1 1/4", 21 mm	42	24	81	9 ~ 24 VDC	0 ~ 5 VDC	100 mW/cm²
Sensor Shaft		DVGW	G1", 34 mm	20	16	83	9 ~ 24 VDC	4~20 mA	1,000 mW/cm²
Window tube				32	24	94			
Temperature & UV		TLW10	PT 3/4", 16 mm	30	7	62	9 ~ 24 VDC	0 ~ 5 VDC	100 mW/cm²
		TLW5	PT 1/4", 12 mm	21	7	63	9 ~ 24 VDC	0 ~ 5 VDC	100 mW/cm²



UV Monitoring Radiometer (GUVD-MG0xS)

Description

Power cable and output cable (4-20mA current output, 1-5V voltage output, relay) are not supplied.

Specifications

Operating Temperature		Working Humidity	
0~50℃		35~85 %RH	

Picture	Function & Display	Output	Probe Type
Product Number	Fixing method & Size	Power	Field of Use
	Absolute Power ($\mu\text{W}/\text{cm}^2$) Relative Power (%) Accumulative Time (hr)	Relay (NO/NC)1~5 VDC, 4~20 mA (Depends on Relative Power)	LA2, LA5, LA6, LA8, LA9, L01, LW5, LW9, LW10, LW11 (Voltage output Only)
GUVD-MG05S (General)	Panel Insertion	AC 85~265V (50/60Hz)	Air, Water environment, Curing equipment
	96 × 48 × 112 mm ³		
	Absolute Power ($\mu\text{W}/\text{cm}^2$) Relative Power (%) Accumulative Time (hr) Dose display (mJ/cm2) Max power, RS485	AC 85~265V (50/60Hz)	LA2, LA5, LA6, LA8, LA9, L01, LW5, LW9, LW10, LW11 (Voltage output Only)
GUVD-MG05S.1 (General2)	Panel Insertion	AC 85~265V (50/60Hz)	Air, Curing equipment
	96 × 48 × 112 mm ³		
	Absolute Power (mW/cm^2) Relative Power (%) Accumulative Time (min)	Relay (NO/NC)	AC02 (Voltage output Only)
GUVC-T11GS0-AC02 (UVC Radiometer)	2 Fixing Hole	DC 9~24V*5V only (option)	Air Disinfection environment
	138 × 79 × 30 mm ³		
	Absolute Power (mW/cm^2) Relative Power (%) Accumulative Time (min)	0~5 VDC, 4~20 mA (Depends on Absolute Power)	LA2, LA5, LA6, LA8, LA9, L01, LW5, LW9, LW10, LW11 (Voltage output Only)
GUVD-MG01S (Power Selection)	2 Fixing Hole	DC 9V 300mA Adaptor (AC220V 50/60 Hz)	Air, Water environment, Curing equipment
	137 × 88 × 30 mm ³		
	Absolute Power (mW/cm^2)	Relay (NO/NC)4~20 mA (Option) RS485 Comm. (Option)	LA2, LA5, LA6, LA8, LA9, L01, LW5, LW8, LW9, LW10, LW11, DVGW (Voltage or Current output)
GUVD-MG02S (Current & RS485)	Panel Insertion	AC 100~240V(50/60Hz)	Air, Curing equipment
	96 × 48 × 108 mm ³		

Picture	Function & Display	Output	Probe Type
Product Number	Fixing method & Size	Power	Field of Use
	Absolute Power (mW/cm²) Relative Power (%) Accumulative Time (hr) (3 Color LED)	Relay (NO/NC)4-20 mA	LA2, LA5, LA6, LA8, LA9, L01, LW5, LW9, LW10, LW11 (Voltage output Only) *Connect with 3 Sensors
GUVD-MG04S (3 Channel)	Panel Insertion	AC 200-240V(50/60Hz)	Air, Curing equipment
	96 × 96 × 111 mm³		
	Relative Power (%) Accumulative Time (hr)	Relay 4-20 mA	LA2, LA5, LA6, LA8, LA9, L01, LW5, LW9, LW10, LW11 (Voltage output Only)
GUVD-MG06S (Mini)	Panel Insertion	AC 85-265V(50/60Hz)	Water environment
	48 × 48 × 107 mm³		
	Natural Sun light UV Index	WHO Standard 0~11+UVI	Integrated UVB Sensor
GUVD-MG07S (Portable)	Handheld	DC 9V Battery	Air environment
	135 x 70 x 25 mm³		
	1. Absolute Power (mW/cm²) 2. Dose display (mJ/cm2) 3. Max power	LA9 (separated)	LA9, LA9-H(Max.10W/cm²) { Voltage output only}
GUVD-MG07S.1 (Multi-Portable)	Handheld	DC 9V Battery	Air environment
	135 x 70 x 25 mm³		

General Sensor and Radiometer



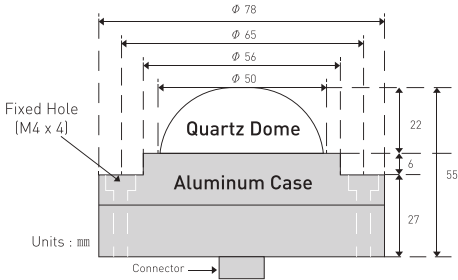
Outdoor

Sensor

UV Sensor Probe
/ UV Index, Irradiance

Head Sensor (H3-Low cost ver.)





Features

- InAlGa_N-based UV Sensor
- Single Supply Voltage
- Window : Quartz Dome
- Case Material : Aluminum
- Cable Length : 5 m (Standard)

Applications

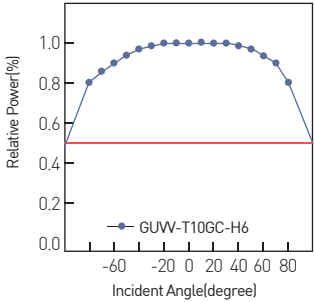
- Measure the UV Index from Sunlight.
- UV lamp / UV LED monitoring

Electro-Optical Characteristics [at 25°C]

Parameter		Symbol	Value			Unit	Test Conditions
			Min.	Typ.	Max.		
Supply Voltage		V _{cc}	9		24	V	Standard
			1.8		5.5	V	Low Power (Option)
Supply Current		I _q		3.3		mA	
Spectral Detection Range		λ	230		395	nm	10% of Max.
Output Voltage (option) Current output	GUVA-S125C-3LWH3	V _{out}		0.1		V	at 1 mW/cm ²
	GUVB-S115C-3LWH3	V _{out}		0.25		V	at 1 UVI
	GUWV-S105C-3LWH3	V _{out}		0.05		V	at 1 mW/cm ²
Response Time		T		10		ms	

Head Sensor (H6-Wide angle ver.)





Features

- For monitoring of global UV irradiance
- Power supply is not necessary
- Analog Voltage Output
- Measure the UV Power from Sunlight
- Level instrument
- Replaceable desiccant cartridge

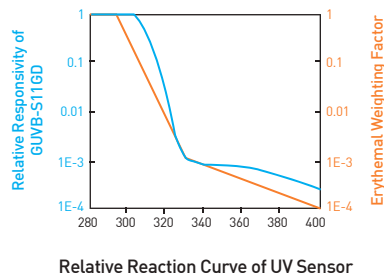
Electro-Optical Characteristics [at 25°C]

Parameter	Symbol	Value			Unit	Test Conditions
		Min.	Typ.	Max.		
Spectral Detection Range	λ	230		3.95	nm	10% of Max.
Sensitivity	S		2		mV/mW/cm ²	
Maximum UV irradiance	I _{uv}	0		100	mW/cm ²	
Impedance (nominal)	R		10		kΩ	
Field of view			180		degrees	
Directional response (up to 70°)			5		%	
Response Time	T		5		ms	

Outdoor UVI Monitoring Sensor

AG03

Our product is UV Sensor that displays UV Index value and this is designed to operate by solar energy without other power supply



Mechanical Data

Parameter		Value	Unit	Remark
Weight		11	kg	with Solar Pannel
Size	Indicator	460 × 460 × 150	mm³	
	Solar Panel	285 × 420 × 25	mm³	



Electrical Characteristic [at 25°C]

Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Spectral Detection Range		0		11+	UVI	
Sensitivity	Tr		10		sec	

Electro-Optical Characteristics [at 25°C]

Radiation level	0-2 Low	3-5 Midium	6-7 High	8-10 Very High	11+ Extreme
You may enjoy the outdoor activities	●				
Apply sunscreen at least 15SPF	●	●	●	●	●
Need to wear long-sleeves		●	●	●	●
Wearing a hat		●	●	●	●
Wearing sunglasses filtering out UVA UVB radiation		●	●	●	●
Avoiding exposure to the sun, stay in the shade			●	●	●
Applying sunscreen and wearing a hat in order to avoid exposure to the sunshine				●	●
Should limit the outdoor activities, and stay inside					●

Portable UV Radiometer 7.1



Features

4.0 Digit LCD display
Detachable Sensor probe
Handheld UV intensity meter
Compatible Voltage output [LA/LW] sensor
Various UV detection [UV-A/B/C/Visible]

Applications

UV Lamp Intensity & Aging
UV Index measurement
UV light transmittance measurements

Function & Display

Absolute Power (mW/cm²)
Dose (mJ/cm²)
Max Power (mW/cm²)

Characteristics [at 25°C]

Model Name	Spectral Detection Range	Unit	Remark
GUVV-T10S7.1-LA9	230 ~ 395	nm	0.0 ~ 9999 mW/cm ²
GVBL-T12S7.1-LA9	330 ~ 445	nm	
GUVC-T10S7.1-LA9	220 ~ 280	nm	
Storage Temperature	0 ~ 60	°C	
Operating Temperature	0 ~ 50	°C	
Operating Humidity	10 ~ 85	% RH	
Battery	9	VDC	DC 9V Battery



MOCVD ROOM

Epi - Wafer AlN

Features

AlN Epi. Wafer
Single side polished (Growth surface)

Diameter

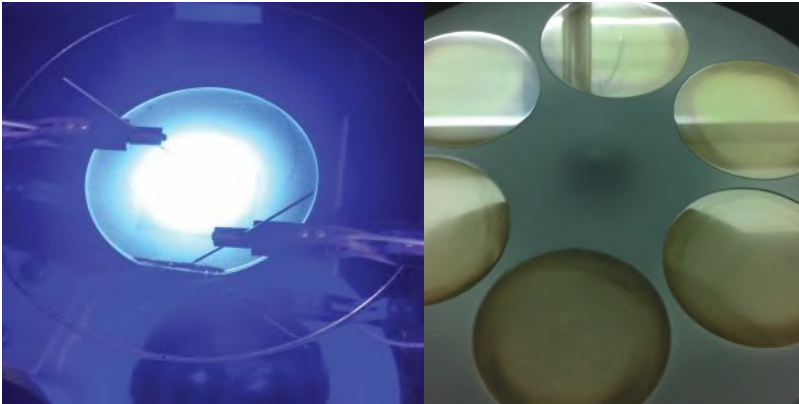
2" (50.8mm)

Thickness (Included substrate)

430 μm $\pm$ 15 μm

Structure

AlN / Sapphire substrate



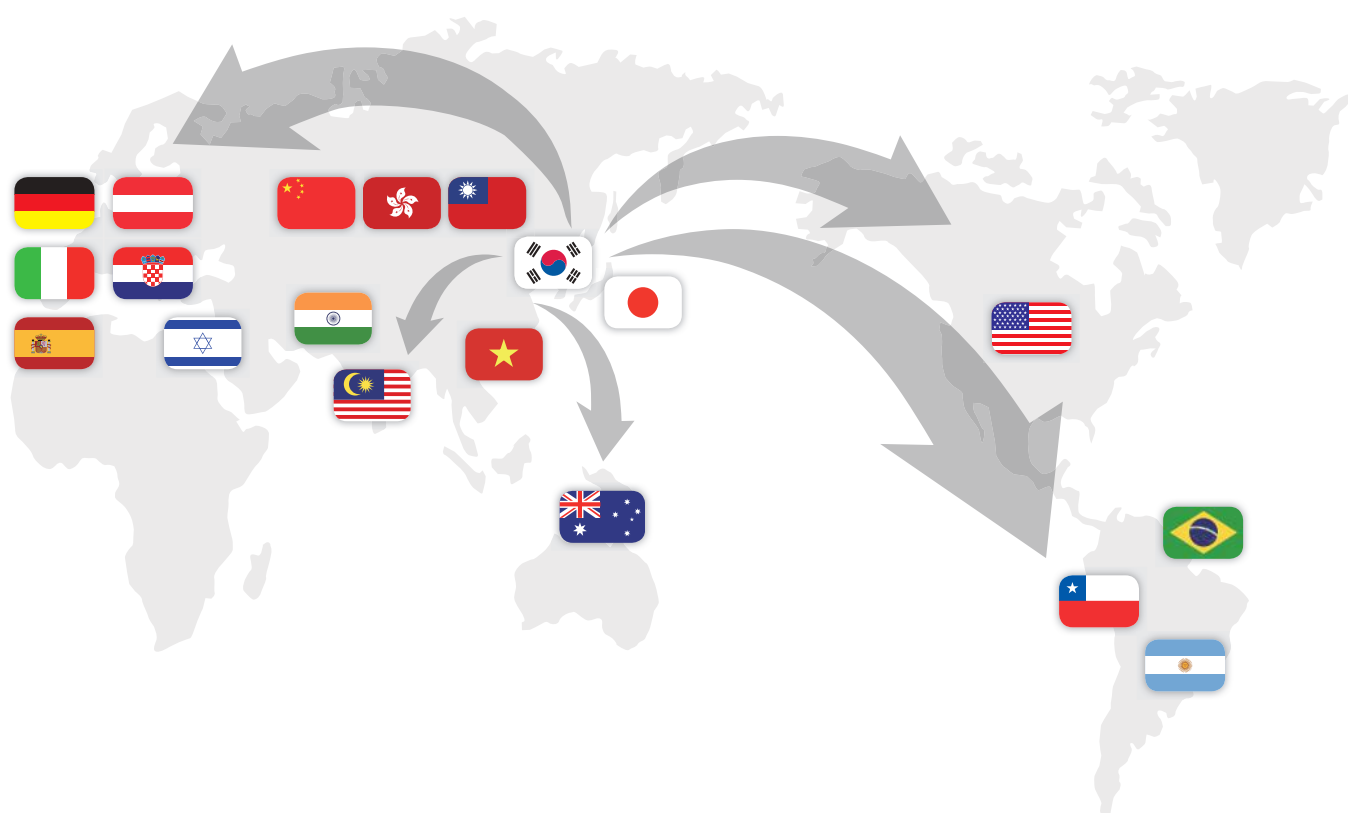
AlN on Sapphire Wafer

Characteristics (at 25°C)

Parameter		Typ.	Test Conditions
Crack Free AlN Surface Area	Diameter	> 44 mm	
	Thickness	< 3 μm	
Xrd	(002)	< 300 arcsec	Panalytical HRXRD
	(102)	< 600 arcsec	
RMS	2 μm * 2 μm	1 nm	

Global network

APPROPRIATE SOLUTION
PROVIDER FOR UV SENSING





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Genuine UV Technology

GenUV



UV Photodiode | UV Sensor Probe | UV Radiometer | Outdoor UV Sensor



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