

**SPECIFICATION**

**FOR APPROVAL**

ISSUED DATE : Aug. 22. 2002

DOCUMENT NO. : PDCM-PN-K6IHP-SH-01

CUSTOMER :

DESCRIPTION : PD ARRAY MODULE

MODEL NO. : PN-K6IHP-SH

[ KODENSHI KOREA CORP. ]

ISSUE DEPT.			SBU		QRA	
ISSUE	REVIEW	APPR'L	REVIEW	APPR'L	REVIEW	APPR'L
J.J.I	L.K.Y	K.Y.S				

[ CUSTOMER APPROVAL ]


[ REVISION]

NO	DATE	REVISION ITEMS	ISSUED BY	APPR'D BY

# OPTO - DIODE ARRAYS SPECIFICATION

## 1. Scope

These specifications apply to PN-K6IHP-SH Opto - diode array

## 2. Outline Dimension

Drawing No. : KPD-2820-01

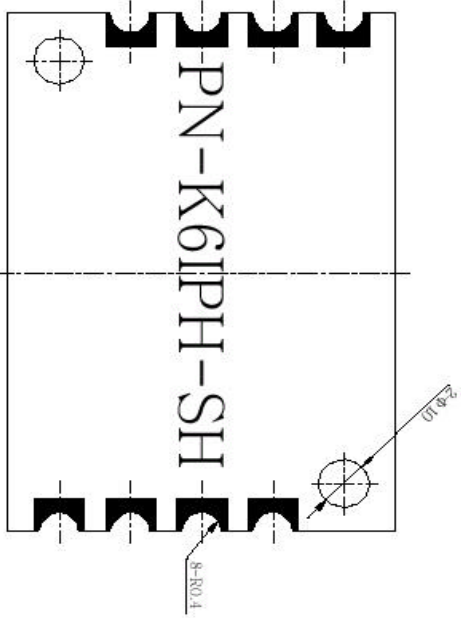
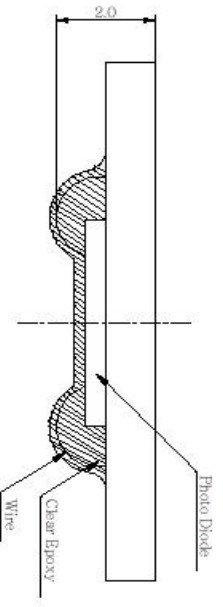
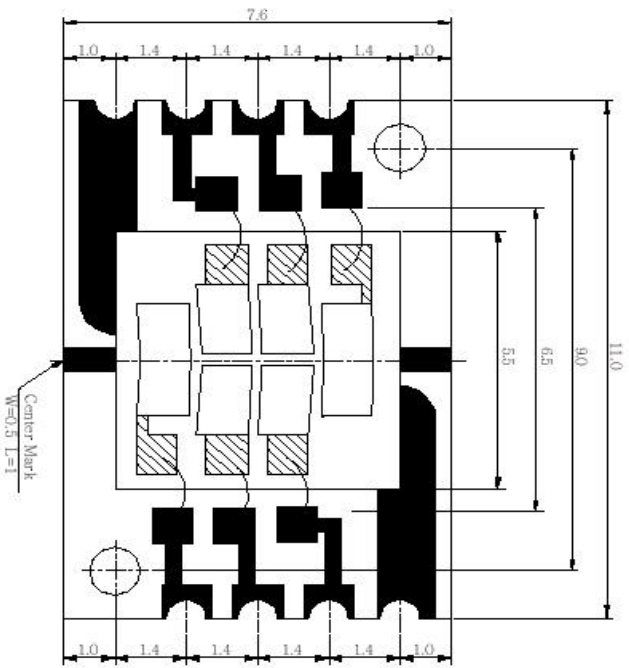
## 3. Detectors Material

Item	Inspection
Type	Silicon Opto - diode
Outline	5.5mm × 5.2mm
Active Area	2.4mm <sup>2</sup> × 1.4mm <sup>3</sup>

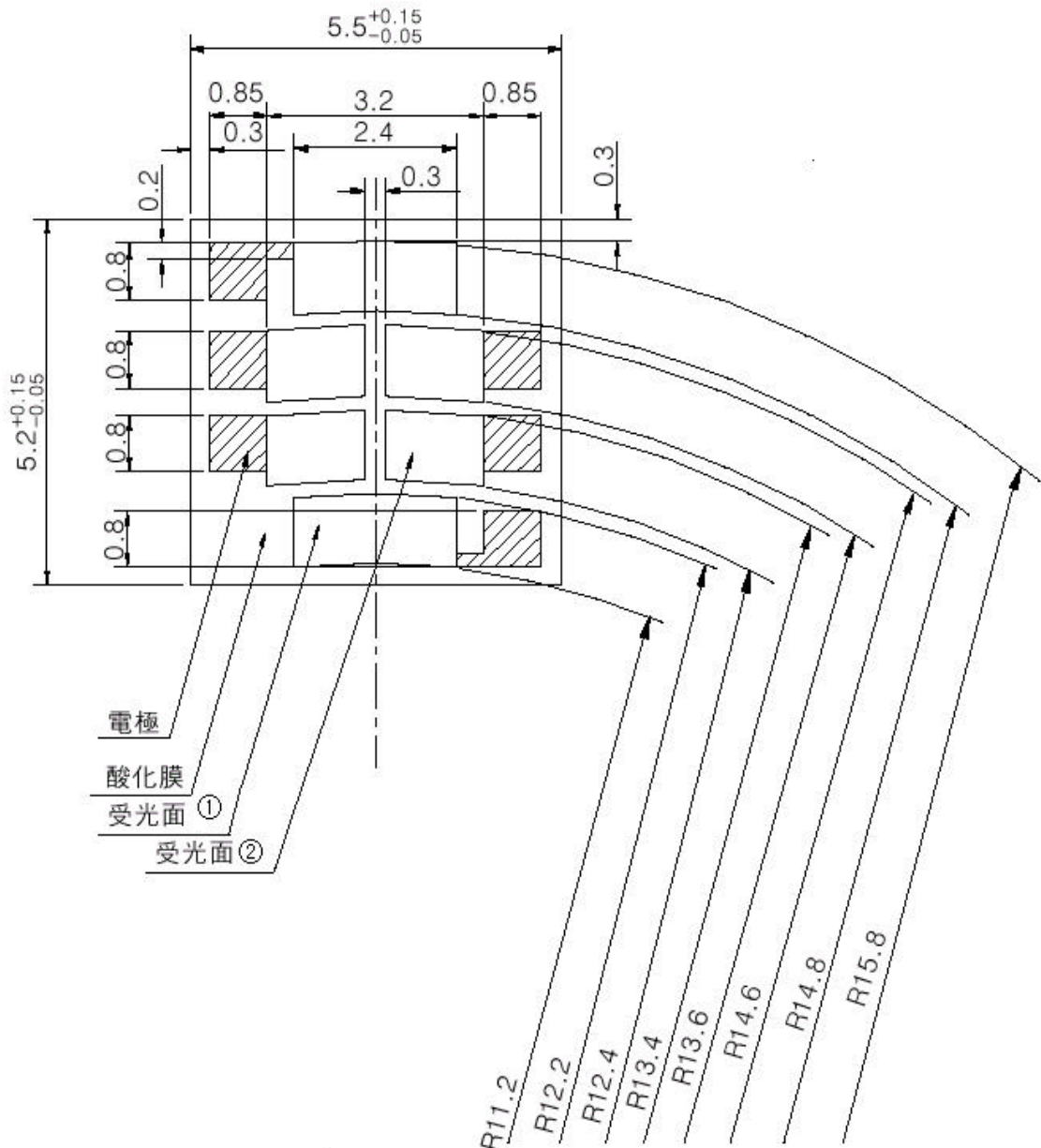
## 4. Electro Optical Characteristics

Parameter	Symble	Min.	Typ.	Max.	Unti	Condition
Open circuit voltage	Voc	0.3	0.35	-	V	Ev=1000Lux
Light current	Ish	15	-	-	μV	Ev=1000Lux
	Ish	9	-	-		
Dark current	Id	-	-	0.5	μV	Vr=5V
Peak Emission Wavelength	p	-	890	-	nm	If=100mA
sensitivity wavelength		440	-	1100	nm	
Temp. coefficient of V	T	-	-2.2	-	mV/	
Temp. coefficient of Is	T	-	0.18	-	%/ °C	
half Angle		-	-	-	Deg	

Classification	Name	DATE	NAME	SIGN	GENERAL TOLERANCES (μm)				
					0.008	0.012	0.025	0.05	0.1
MARK	REVISION				±0.05	±0.08	±0.1	±0.15	±0.2
					±0.05	±0.08	±0.1	±0.15	±0.2
					±0.05	±0.08	±0.1	±0.15	±0.2
					±0.05	±0.08	±0.1	±0.15	±0.2
					±0.05	±0.08	±0.1	±0.15	±0.2



NO.	DESCRIPTION	MATERIAL	DIMENSION		REMARK
			QTY	UNIT	
ISSUE	REVIEW	REVIEW	APPR.		
check	hs	L.G.Y	K.Y.S	UNIT	MM
				SCALE	10/1
DRAWING NO. KPD-2880-01		REP DWG NO.		<b>KODENSHI KOREA CORP.</b>	
ISSUED DEPT.		APPR.			
TITLE PH-K6IHP-SH					

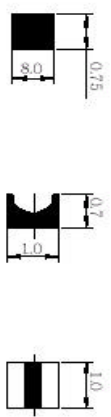
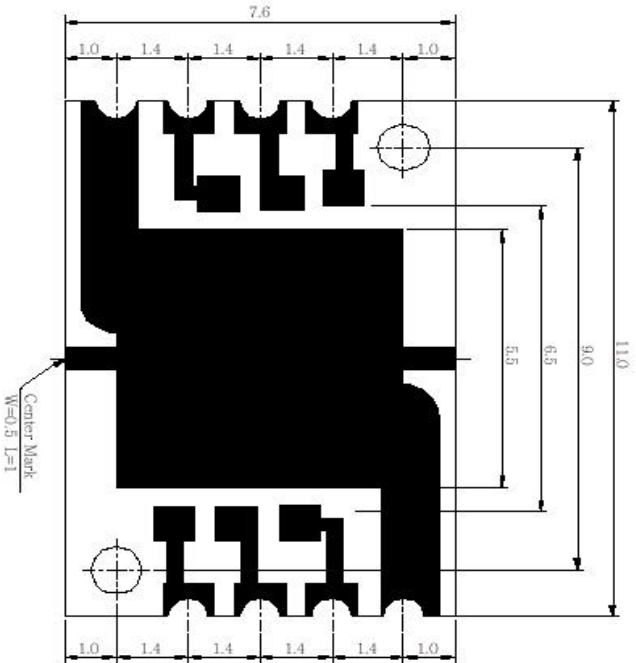


受光面積 ① = 2 x 2.4mm<sup>2</sup>  
 ② = 4 x 1.45mm<sup>2</sup>

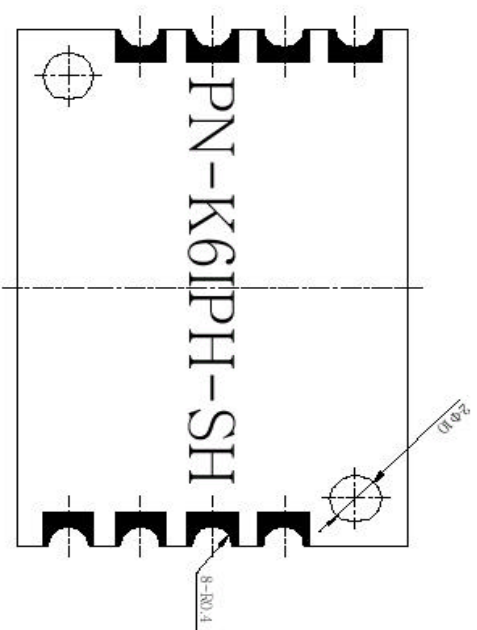
No	PART	MATERIAL	QUANTITY	REMARK
TITLE Photo Diode		UNIT mm	SCALE 10/1	DATE 2002.06.03
DATE	REVISION	SIGN	Product No. PN-61HP	
			Note _____	
			ISSUE	REVIEW
			J.J.I	L.K.Y
			APPROVAL	
			K.Y.S	
			DRAWING NO PD-JJI-020603-01	

**KODENSHI KOREA CORP.**

Classification	Name	DATE	NAME	SIGN	GENERAL TOL BRANCH(±)											
					Dimension	Grade	0	1	2	3	4	5				
MARK	REVISION				<4 and below	0.005	0.008	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
					4-10 and below	0.008	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
					10-50 and below	0.008	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
					50-250 and below	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01



■ PAD - 8 EA  
 ■ PAD - 6 EA  
 S:AXIS.2 --->Chip PAD  
 All PAD --->Surface  
 Material : FR-4, Thickness: 1.0



NO.	DESCRIPTION			MATEL	DIMENSION	REMARK
	ISSUED DEPT.	REVIEW	APPRL			
	ISSUE	REVIEW	REVIEW	APPRL	QTY	TITLE
			L.G.Y	K.Y.S	UNIT	MM
					SCALE	10/1
	DRAWING NO. KPD-2823-01			REF DWG NO.	<b>KODENSHI KOREA CORP.</b>	
	PH-K6IHP-SH PCB					