Description

Features

*Lead-free package.

* Package:1500 pcs/Reel.

The devices are suitable for :

*printing process control.

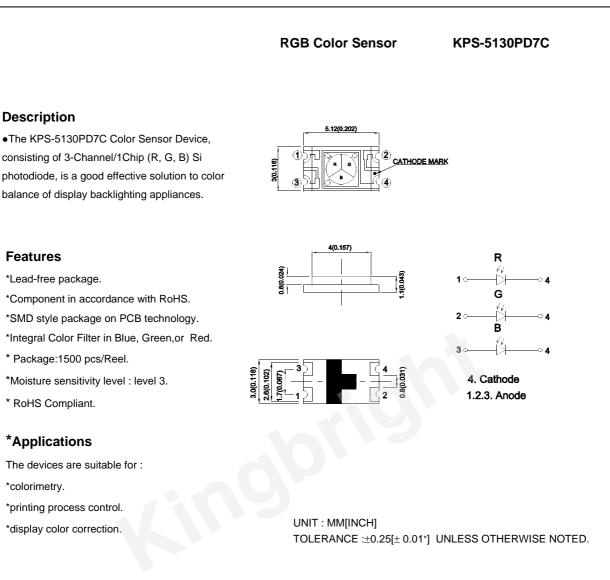
*display color correction.

* RoHS Compliant.

*Applications

*colorimetry.

Part Number: KPS-5130PD7C



*Absolute Maximum Ratings(Ta=25°C unless otherwise specified)

Parameter	Symbol	Value	Unit
Reverse Voltage	V _R	10	V
Operating Temperature	Topr	-40~+85	°C
Storage Temperature	Tsto	-40~+85	٥C
Soldering Temperature	Tsd	260	٥C

Note:

1. Relative humidity levels maintained between 40% and 60% in production area are recommended to avoid the build-up of static electricity - Ref JEDEC/JESD625-A and JEDEC/J-STD-033.



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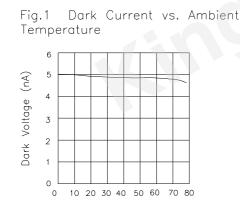
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Parameter	Symbol	Condition		Value		11	
				Min.	Тур	Max.	Unit
		Red		-	620	-	
Peak Sensitivity Wavelength	λp	Green		-	550	-	nm
		Blue		-	470	-	
Light Current(1)	I _{L1}	100Lux ^[1] VR = 5V	Red	-	0.039	-	
			Green	-	0.042	-	uA
			Blue	-	0.022	-	
Light Current(2)	I _{L2}	1000Lux ^[1] VR = 5V	Red	-	0.427	-	uA
			Green	-	0.498	-	
			Blue	-	0.262	-	
Diameter of the irradiation sensitive area	D			-	2.0	-	mm
Irradiation sensitive area per element	А			-	0.85	-	mm ²
Photo sensibility of the single color areas	SMax	λ _R =620 nm λ _G =550 nm λ _B =470 nm		-	0.33 0.25 0.18	-	A/W
Reverse Dark Current	ID	VR=5V		-		10	nA

Notes:

1.White fluorescent light (Color Temperature = 6500K) is used as light source.

2. Excess driving current and / or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.



Ambient Temperature(*c)

Fig.2 Spectral Response

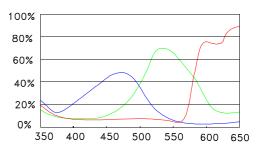
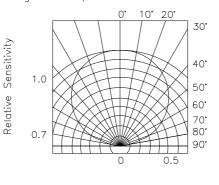
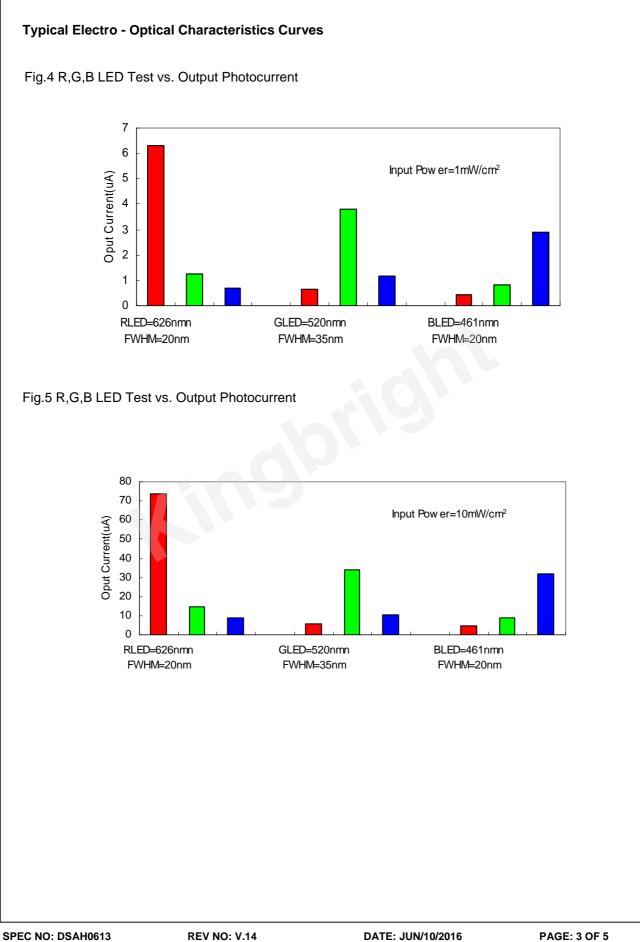


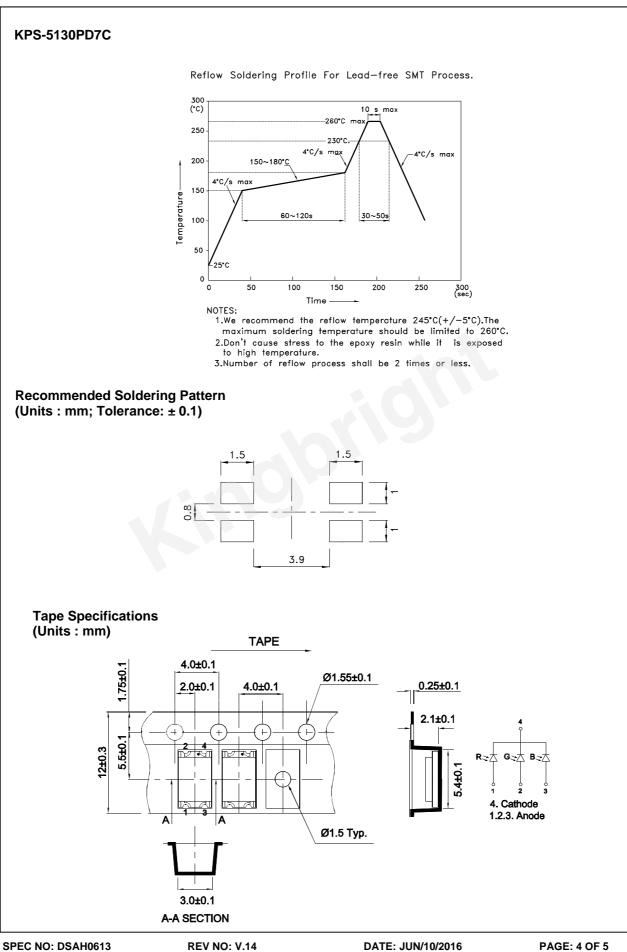
Fig.3 Relative radiant sensitivity vs. Angular displacement



SPEC NO: DSAH0613 APPROVED: Wynec

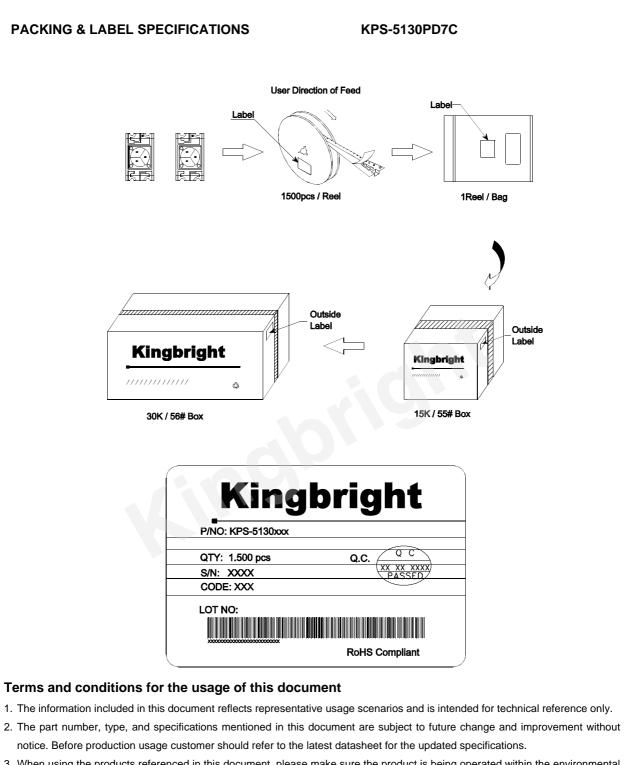
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