



Product/Process Change Notice(PCN)

Dear Customer:

This PCN is being issued to notify customers that SHANPU CO. LTD. changed the green LED chip at RGB(com.+) LED, it reduce power dissipation. affect series SPD (include SPD0、SPD2、SPDG、SPDK).

Full electrical characterization and high reliability testing has been completed. The main dimensions and functions of the switch will not change.

We can tracking by lot number.

Subject	Green in RGB(com.+) LED the specification change.
PCN series	SPD0、SPD2、SPDG、SPDK
Part number change (New/Old)	Follow ECR-2021-41 changed the RGB(com.+) LED part number only.
Effect Date	Change YSPD-07-RGB-1-F when YSPD-07-RGB-1-E out of stock(6688pcs)
Reason for PCN	LED manufacturer change green chip, that reduce power dissipation.
Description of Change	The forward voltage and Luminous intensity different for Green chip at RGB(com.+) LED

產品/製程變更通知函

親愛的顧客 您好：

此份通知是針對尚圃股份有限公司當前產品的變更通知。

尚圃變更了 SPD(SPD0、SPD2、SPDG、SPDK)系列開關中，共陽極 RGB 三色 LED 中的綠色晶片更改為較低電源損耗的產品。請確認收到此通知函後，如果需要樣品進行評估，請立即提出要求。

我們已經完成相關的電氣特性和可靠性測試，開關外觀主要尺寸和功能不會有變化。

在追蹤方面我們會更改該零件料號並透過生產批號進行追蹤。

主 旨	RGB(com.+)LED 中綠燈規格變更
設 變 產 品 系 列	SPD0、SPD2、SPDG、SPDK
料號變更(新/舊)	依據 ECR-2021-41 更改 RGB(com.+) LED 料號，SPD 系列開關料號未更改。
生 效 日 期	待 YSPD-07-RGB-1-E 庫存(6688pcs)用完即變更 YSPD-07-RGB-1-F。
變 更 理 由	供應商更改綠色晶片規格，使得使用上較原來省電。
變 更 敘 述	RGB(com.+) LED 中綠色晶片的順向電壓和發光強度不同，使用上較原來省電。





設變前 YSPD-07-RGB-1-E / YSPD-07-RGB-1-E before PCN:

LED Characteristics

The electrical specifications shown are determined at a basic temperature of 25°C. if the source voltage exceeds the rated voltage of LED, a ballast resistor must be connected in series with the LED.

color	Forward voltage VF(V)at If=20mA			Dominant Wavelength λ dom(nm)			Luminous intensity Iv(mcd)at If=20mA			Power dissipation Pd(mW)
	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	
RGB[common anode(+)]										
Red	1.7	2.0	2.5	615	622	630	400	690	1250	75
Green	2.8	2.9	3.7	520	525	530	800	1600	2500	111
Blue	2.8	3.0	3.7	465	470	475	125	215	400	111
Reverse voltage Vr(V)max.			Reverse current Ir (uA) at Vr =5V				Forward current If(mA)max.			
5V			100uA				30mA			

Notes:

1. LED circuit is isolated and requires external power source.
2. LED an integral part of the switch.
3. Emitting color: $\pm 20\%$
4. Forward voltage: $\pm 0.1V$
5. Luminous intensity/luminous flux: $\pm 20\%$

CAUTION:

LED is static sensitive devices Not to be handled by unauthorised personnel.

設變後 YSPD-07-RGB-1-E / YSPD-07-RGB-1-E after PCN:

LED Characteristics

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尚圃股份有限公司
SHANPU CO., LTD.

不斷開啟美好的未來

forming shape(No difference):



業務部 Sales department
尚圃股份有限公司 SHANPU CO., LTD.
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