



**Customer Product/Process Change Notification**

PCN # 130953  
Issued Date: 27.Jun.25  
Issued By: Cheryll Santiago  
Author: \_\_\_\_\_

**Change affects whole product family?**

**Part #'s affected (See attached if entire product family is affected)**

521-9246F is EOL  
521-9947F is EOL

**Description of Change:**

Changes in Luminous Intensity and some LED parameters

**Reason for Change:**

Original LED die is EOL

**Properties of Old vs. Changed Product:**

See LED Comparison sheet

**Disposition of Old Product:**

Deplete existing stock on hand

<b>Expected Implementation Date:</b>	Immediate
<b>Last Time Buy Date:</b>	N/A
<b>Customer Feedback Expected by:</b>	N/A

**Additional Comments: (Include Potential Risks if Appropriate)**

**Supporting Qualification Data:**

Available upon request

## Affected Part Numbers

PCN # 130953

### Part Numbers Affected by the change

<u>EOL Part Number</u>	<u>Description</u>
521-9246F	DISCRETE LED LAMP RED
521-9947F	5MM PURE GREEN WC

### Replacement Part Numbers

<u>New Part Number</u>
521-9441F
521-9947NF



**Description**

5MM LED RED DIF SUPER BRIGHT

5MM GREEN 525nm WC

**PCN Product Comparison Form**

PCN # 130953

Parameter	Test Condition	Previous LED			Units	New LED			Units
		Min	Typ	Max		Min	Typ	Max	
<b>MAX Absolute Ratings</b>									
Operating Temperature	Ta=25°C	-55 to +100			°C	-40 to +85			°C
Storage Temperature		-55 to +100			°C	-40 to +100			°C
Power Dissipation		135			mW	81			mW
Forward Current		30			mA	30			mA
Peak Forward Current		90			mA	90			mA
Reverse Voltage		5			V	5			V
<b>Optical/Electrical Characteristics</b>									
Luminous Intensity	IF=10mA	5.4	7	17.2	mcd	19	40	90	mcd
Peak Wavelength	IF=10mA		635		nm		635		nm
Dominant Wavelength	IF=10mA		626		nm		623		nm
Viewing Angle	IF=10mA		60		degrees		50		degrees
Forward Voltage	IF=10mA		2.2	2.4	V		2.0	2.6	V
Reverse Current	VR=5V			100	uA			100	uA
Lens Color		Red Diffused				Red Diffused			

**PCN Product Comparison Form**

PCN # 130953

Parameter	Test Condition	Previous LED			Units	New LED			Units
		Min	Typ	Max		Min	Typ	Max	
<b>MAX Absolute Ratings</b>									
	Ta=25°C								
Operating Temperature		-40 to +85			°C	-25 to +80			°C
Storage Temperature		-40 to +100			°C	-30 to +100			°C
Power Dissipation			135		mW		120		mW
Forward Current			30		mA		30		mA
Peak Forward Current			100		mA		100		mA
Reverse Voltage			5		V		5		V
<b>Optical/Electrical Characteristics</b>									
Luminous Intensity	IF=20mA	2500	4200	7200	mcd	1900	4500	9300	mcd
Dominant Wavelength	IF=20mA	520	527	535	nm	515	525	535	nm
Viewing Angle	IF=20mA		30		degrees		30		degrees
Forward Voltage	IF=20mA		3.8	4.3	V		3.5	4.0	V
Reverse Current	VR=5V			100	uA			100	uA
Lens Color		Water Clear				Water Clear			