



# Customer Product Change Notification

PCN # 73685  
 Issued Date: 9/20/2020  
 Issued By: Nick Oesterheld  
 Author: Nick Oesterheld

Change affects whole product family?  No

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

P/N 5972321816F, 819F InGaN Green and 5972601817F, 820F InGaN Blue Discrete Right Angle LEDs.

**Description of Change:**

Products Discontinued EOL and replacements will be P/N 5972321816NF,819NFfor GREEN and P/N 5972601817NF,820NFfor BLUE

**Reason for Change:**

LED die and LED end of life. The replacement New LED recommended with NF Ending p/n.

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

See attached Comparison specifications.

**Disposition of Old Product:**

Deplete existing Stock on hand 1620pcs of InGaN Green and 13,600pcs of InGaN Blue.

<b>Expected Implementation Date:</b>	<input type="text" value="Immediate"/>	<b>Last Time Buy Date:</b>	<input type="text" value="NOV 1,2020"/>
<b>Customer Feedback Expected by:</b>	<input type="text" value="Not Applicable"/>		For Blue only N/A for Green

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

Discrete LEDs are EOL the similar replacement LED spec comparison is supplied with NF ending part number.

**Supporting Qualification Data:**

Available upon request.

**Approved By:**

(Minimum of three approvals are required.)

Vice President of Operations: \_\_\_\_\_  
 Vice President of Sales OED/Signals: \_\_\_\_\_  
 Director of Customer Service: \_\_\_\_\_  
 Vice President of Marketing: \_\_\_\_\_  
 Director of Quality: \_\_\_\_\_

**NOTE:** Expected Implementation date and Last Time Buy Date are estimated based on existing materials and consumption rates. Subject to change.



## LED COMPARISON TABLE

P/N	PARAMETER	EOL 597-2321-816F,819F InGaN GREEN, EOL 597-2601-817F,820F InGaN BLUE	REPLACEMENT 597-2321-816NF,819NF InGaN GREEN, REPLACEMENT 597-2601-817NF,820NF InGaN BLUE							
<b>PARAMETERS</b>		<b>OPERATING CHARACTERISTICS @ 25° AMBIENT</b>		<b>OPERATING CHARACTERISTICS @ 25° AMBIENT</b>						
		If	MIN	TYP	MAX	If	MIN	TYP	MAX	
	LUMINOUS INTENSITY (mcd) GREEN	20ma	355		900	20ma	500	800		
	LUMINOUS INTENSITY (mcd) BLUE	20ma	90		224	20ma	80	220		
	FORWARD VOLTAGE (V) GREEN		3.0	3.5	4.1			3.3	4.1	
	FORWARD VOLTAGE (V) BLUE		3.0	3.6	4.1			3.3	4.0	
	PEAK WAVELENGTH (nm) GREEN			523				515		
	PEAK WAVELENGTH (nm) BLUE			465				460		
	DOMINANT WAVELENGTH (nm) GREEN		519	526	537			525		
	DOMINANT WAVELENGTH (nm) BLUE		464	470	476			465		
VIEWING ANGLE 2θ1/2 (deg)		120			120					
REVERSE CURRENT (micro amps) Vr=5v		10			50 μA @5V GREEN and BLUE					
<b>RATING &amp; CHARACTERISTICS</b>		<b>ABSOLUTE MAXIMUM RATINGS @ TA=25° C</b>			<b>ABSOLUTE MAXIMUM RATINGS @ TA=25° C</b>					
	POWER DISSIPATION (mW) GREEN	85			102.5					
	POWER DISSIPATION (mW) BLUE	85			120					
	PEAK PULSE FORWARD CURRENT(mA) GREEN	400			150					
	PEAK PULSE FORWARD CURRENT(mA) BLUE	300			150					
	CONTINUOUS FORWARD CURRENT (mA)	20			25 for GREEN , 30 for BLUE					
	DERATING LINERALLY FROM (mA/C°) GREEN	(85°) 0.50			(25°) 0.417					
	DERATING LINERALLY FROM (mA/C°) BLUE	(70°) 0.50			(25°) 0.333					
	REVERSE VOLTAGE (IR=10 μA)	5			5					
	OPERATING TEMP. RANGE (C°)	-40 TO + 100			-40 to + 85					
	STORAGE TEMP. RANGE (C°)	-40 TO + 100			-40 to + 85					
LEAD Reflow SOLDERING TEMP. (C°)	255C FOR 10 SECONDS			260C FOR 10 SECONDS						
<b>DIMENSIONS</b>	Surface Mount 1616 RT Angle Package size	.157" (4.0mm) x .157" (4.0mm) x .142" (3.6mm)			.157" (4.0mm) x .157" (4.0mm) x .142" (3.6mm)					
	LED EMITTING COLOR	GREEN			GREEN					
	LED EMITTING COLOR	BLUE			BLUE					
	LED EPOXY COLOR	CLEAR			CLEAR					
	LED LEADS	Pure Tin (Sn) Pb FREE RoHS			RoHS Compliant					
	LED DIE TECHNOLOGY GREEN	InGaN			InGaN					
	LED DIE TECHNOLOGY BLUE	InGaN			InGaN					
	MOISTURE SENSITIVITY LEVEL	2			3					
<b>Packaging</b>		13" REEL 2000pcs/reel			13" REEL 2000pcs/reel for GREEN; 7" REEL 500pcs/reel for BLUE					