



Customer Product/Process Change Notification

PCN # OES11081102_521_550

Issued Date: 8/10/2011

Issued By: Nick Oesterheld

Author: Nick Oesterheld

Change affects whole product family? No

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

521-9948F,4500559994800, 550-6004F,550-6005F,550-6007F

Description of Change:

Replacement of 5mm White WC LED that was discontinued with a similar 5mm WC LED from our common source.

Reason for Change:

MFR discontinued 5mm White WC LED.

Properties of Old vs. Changed Product:

See attached spreadsheet on page 2.

Disposition of Old Product:

Use until depleted.

Expected Implementation Date:

Customer Feedback Expected by:

Additional Comments: (Include Potential Risks if Appropriate)

Replacement LED will be a little brighter due to brighter InGaN Die Technology.

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: Kathy Smith

Product Manager: Nick Oesterheld

Director of Quality: Rich Liskoff

5mm WHITE Water Clear LED	LED COMPARISON TABLE							
	Discontinued 4500-521-9948-00				Replacement 4500-521-9948-16			
	OPERATING CHARACTERISTICS @ 25° AMBIENT				OPERATING CHARACTERISTICS @ 25° AMBIENT			
	If (mA)	MIN	TYP	MAX	If (mA)	MIN	TYP	MAX
LUMINOUS INTENSITY (mcd)	20	880	----	2500	20	1150	2200	3200
FORWARD VOLTAGE (V)	20	-----	3.8	4.0	20		3.5	4.0
CHROMATICITY COORDINATES X			0.32				0.30	
CHROMATICITY COORDINATES Y			0.32				0.30	
VIEWING ANGLE 2θ1/2 (deg)	-----	-----	30	-----	-----	-----	30	-----
REVERSE CURRENT (μA) (VR=5V)	-----	-----	-----	10	-----	-----	-----	100
	ABSOLUTE MAXIMUM RATINGS @ TA=25° C				ABSOLUTE MAXIMUM RATINGS @ TA=25° C			
POWER DISSIPATION (mW)	90				120			
PEAK PULSED FORWARD CURRENT (mA)	120				100			
CONTINUOUS FORWARD CURRENT (mA)	30				30			
REVERSE VOLTAGE	5 @ IR=10 μA				5 @ IR=100 μA			
OPERATING TEMP. RANGE (°C)	-40 TO +80				-40 TO +85			
STORAGE TEMP. RANGE (°C)	-40 TO +100				-40 TO +100			
LEAD SOLDERING TEMP. (°C) FOR 5 SEC.	260				260			
	PHYSICAL DIMENSIONS				PHYSICAL DIMENSIONS			
LED EMITTING COLOR	WHITE				WHITE			
LED EPOXY COLOR	WATER CLEAR				WATER CLEAR			
DIE TECHNOLOGY	GaN				InGaN			
LED LEADS	Pb FREE RoHS				Pb FREE RoHS			