



Customer Product/Process Change Notification

PCN # OES11031401_5XX

Issued Date: 3/10/2011

Issued By: Nick Oesterheld

Author: Nick Oesterheld

Change affects whole product family? No

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

See attached spreadsheet on page 2.

Description of Change:

Replacement of 3mm Blue Diffused LED.

Reason for Change:

MFR discontinued LED and issued a last time buy which will be depleted by mid april 2011.

Properties of Old vs. Changed Product:

See attached spreadsheet on page 3.

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 approx 50-60% at 10ma 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

Business Development Manager Nick Oesterheld

Director of Quality: Rich Liskoff

DIALIGHT PRODUCTS

5219831F
5510801F
5510802F
5510803F
5510807F
5510809F
5510811F
5530001808F
5530108F
5530108300F
5530118F
5530128F
5530128200F
5530181F
5530182F
5530183F
5530183200F
5530188F
5530188200F
5530188300F
5530188400F
5530718840F
5530748848F
5530748857F
5530748859F
5530781853F
5580001802F
5580803001F
5640100219F
5640100229F
5640100824F
5640100922F
5640100932F
5640100999F
5680004880F
5680008807F
5680101399F
5680108023F
5680108333F
5680714814F
5690101970F
5690109999F
5690111900F
5690119900F
5690714804F
5690794805F
5580803802F
5580803003F
5580803007F
5580803801F
5580803803F

3mm BLUE, WHITE DIFFUSED	LED COMPARISON TABLE							
	Discontinued Blue LED				Replacement Blue LED			
	OPERATING CHARACTERISTICS @ 25° AMBIENT				OPERATING CHARACTERISTICS @ 25° AMBIENT			
	If (mA)	MIN	TYP	MAX	If (mA)	MIN	TYP	MAX
LUMINOUS INTENSITY (mcd)	10	14	22.4	35.5	10	23.0	-----	65.0
FORWARD VOLTAGE (V)	10	-----	3.5	4.1	10	2.5	3.2	3.8
PEAK WAVELENGTH (nm)	-----	-----	428	-----	-----	-----	468	-----
DOMINANT WAVELENGTH (nm)	-----	460	465	470	-----	460	470	475
VIEWING ANGLE 2θ1/2 (deg)	-----	-----	70	-----	-----	-----	100	-----
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)	-----				100			
CONTINUOUS FORWARD CURRENT (mA)	20				30			
REVERSE VOLTAGE	5 @ IR=10 μA				5 @ IR=100 μA			
OPERATING TEMP. RANGE (°C)	-55 TO +100				-40 TO +85			
STORAGE TEMP. RANGE (°C)	-55 TO +100				-55 TO +100			
LEAD SOLDERING TEMP. (°C) FOR 5 SEC.	260				260			
	PHYSICAL DIMENSIONS				PHYSICAL DIMENSIONS			
LED EMITTING COLOR	BLUE				BLUE			
LED EPOXY COLOR	WHITE DIFFUSED				WHITE DIFFUSED			
DIE TECHNOLOGY	GaN				InGaN			
LED LEADS	Pb FREE RoHS				Pb FREE RoHS			