



Customer Product/Process Change Notification

PCN # OES100614_LED

Issued Date: 6/14/2010

Issued By: Nick Oesterheld

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Change affects whole product family? No

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

521-9918F, CBIs, PMI and based Leds and Vehicle Marker Lights. See List Attached.

Description of Change:

LED changed to a new Brighter Intensity Blue LED with a Zener Diode in the chip area for ESD protection up to 8000 volts HBM.

Reason for Change:

LED was discontinued by Mfr. and this Brighter Blue LED is the Replacement from a New Mfr.

Properties of Old vs. Changed Product:

See Attached LED comparison Sheet for Discrete LED and all CBIs.

Disposition of Old Product:

Dialight LED Stock and Field Stock use as is until depleted do not mix.

Expected Implementation Date: 7/10/2010

Customer Feedback Expected by: N/A

Additional Comments: (Include Potential Risks if Appropriate)

New Blue Leds are 2.8x Brighter.

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

Vice President of Marketing: Robert E. Derringer

Director of Quality: Rich Liskoff

AFFECTED PART NUMBERS

13001BB	Vehicle Marker Light
13001BB802	Vehicle Marker Light
13003BB	Vehicle Marker Light
13003BB803	Vehicle Marker Light
13052CT801	Vehicle Marker Light
5219918F	Discrete LED
5514002820F	CBI
5516107F	CBI
5586003001F	PMI
5586003003F	PMI
5586003007F	PMI
5640100822F	CBI
5640100826F	CBI
5642210293F	CBI
5680102190F	CBI
5682212239F	CBI
5682212329F	CBI
5682213292F	CBI
5682239999F	CBI
5866405101F	Based LED
5866405103F	Based LED
5866405105F	Based LED
5866405201F	Based LED
5866405203F	Based LED
5866405205F	Based LED
5866405206F	Based LED

3mm BLUE, WATER CLEAR	LED COMPARISON TABLE							
	Discontinued				Replacement			
	OPERATING CHARACTERISTICS @ 25° AMBIENT				OPERATING CHARACTERISTICS @ 25° AMBIENT			
	If (mA)	MIN	TYP	MAX	If (mA)	MIN	TYP	MAX
LUMINOUS INTENSITY (mcd)	20	110		310	20	310	520	880
FORWARD VOLTAGE (V)	20		3.5	4	20		3.5	4
PEAK WAVELENGTH (nm)	20		470				468	
DOMINANT WAVELENGTH (nm)	20	460	464	480		465	470	475
VIEWING ANGLE 2θ1/2 (deg)			45				50	
REVERSE CURRENT (μA) (VR=5V)				10				100
	ABSOLUTE MAXIMUM RATINGS @ TA=25° C				ABSOLUTE MAXIMUM RATINGS @ TA=25° C			
POWER DISSIPATION (mW)	140				120			
PEAK PULSED FORWARD CURRENT (mA)	100				100			
CONTINUOUS FORWARD CURRENT (mA)	30				30			
REVERSE VOLTAGE (IR=100 μA)	5				5			
OPERATING TEMP. RANGE (°C)	-35 TO +85				-40 TO +85			
STORAGE TEMP. RANGE (°C)	-35 TO +85				-40 TO +100			
LEAD SOLDERING TEMP. (°C) FOR 5 SEC.	260				260			
	PHYSICAL DIMENSIONS				PHYSICAL DIMENSIONS			
LED EMITTING COLOR	BLUE				BLUE			
LED EPOXY COLOR	WATER CLEAR				WATER CLEAR			
DIE TECHNOLOGY	InGaN				InGaN			
LED LEADS	Pb FREE RoHS				Pb FREE RoHS			