



Customer Product/Process Change Notification

PCN # OES15112402_55X

Issued Date: 2015Nov24

Issued By: Shaun Koehler

Author: Shaun Koehler

Change affects whole product family?

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

559-3601-003F, -007F, -804F, -805F, -806F, -810F; 521-9461F; 552-3540F; 552-3544F

Description of Change:

The bi-color Chip has gone EOL and is being replaced by an equally bright bi-color chip.

Reason for Change:

Chip has gone EOL.

Properties of Old vs. Changed Product:

See below for primary and secondary technical characteristics equivalence.

Disposition of Old Product:

Use until inventory is depleted

Expected Implementation Date:

Customer Feedback Expected by:

Additional Comments: (Include Potential Risks if Appropriate)

Supporting Qualification Data:

Approved By:

(Minimum of three approvals are required.)

Vice President of Operations: _____

Vice President of Sales OED/Signals: _____

Product Manager: Shaun Koehler

Director of Customer Service: Kathy Smith

Director of Corporate Quality: Rich Liskoff

LED COMPARISON TABLE:									
					EOL LED				
5MM Y/G Bi Color 3 LEADED LED WHITE EPOXY					559-3601-003F, -007F, -804F, -805F, -806F, -810F, 521-9461F;				
DIFFUSED					552-3540F; 552-3544F				
					Replacement LED				
OPERATING CHARACTERISTICS @ 25° AMBIENT					OPERATING CHARACTERISTICS @ 25° AMBIENT				
	IF	MIN	TYP	MAX	IF	MIN	TYP	MAX	
LUMINOUS INTENSITY (mcd) Yellow	10	2.1			10		9		
LUMINOUS INTENSITY (mcd) Green	10	4.2			10		13.5		
FORWARD VOLTAGE (V) YELLOW	10		1.6	2.5	10		2	2.8	
FORWARD VOLTAGE (V) GREEN	10		1.6	2.5	10		2.1	2.8	
PEAK WAVELENGTH (nm) YELLOW			583				590		
PEAK WAVELENGTH (nm) GREEN			565				568		
DOMINANT WAVELENGTH (nm) YELLOW			585						
DOMINANT WAVELENGTH (nm) GREEN			569						
VIEWING ANGLE 2θ1/2 (deg)	65				40				
ABSOLUTE MAXIMUM RATINGS @ TA=25° C					ABSOLUTE MAXIMUM RATINGS @ TA=25° C				
POWER DISSIPATION (mW)	135				80				
Transient pulsed CURRENT(mA) 10micro sec pulse	25				30				
CONTINUOUS FORWARD CURRENT (mA)	(50°) 0.4								
DERATING LINERALLY FROM (mA/C°)									
REVERSE CURRENT									
OPERATING TEMP. RANGE (C°)	-20 to +85				-25 to +85				
STORAGE TEMP. RANGE (C°)	-55 to +100				-30 to +100				
LEAD SOLDERING TEMP. (C°) 1/16th from base	260C FOR 5 SECONDS				260C FOR 5 SECONDS				
PHYSICAL DIMENSIONS					PHYSICAL DIMENSIONS				
LED EMITTING COLOR	YELLOW				YELLOW				
LED EMITTING COLOR	GREEN				GREEN				
LED EPOXY COLOR	WHITE DIFFUSED				WHITE DIFFUSED				
LED LEADS	Pb FREE RoHS				Pb FREE RoHS				
LED DIE TECHNOLOGY	GaAsP/GaP - Yellow; GaP - Green				GaAsP/GaP - Yellow; GaP/GaP - Green				
NOTES:									
REVERSE VOLTAGE Vr Condition is applied for IR test only. The device is not designed for REVERSE OPERATION									