



Customer Product/Process Change Notification

PCN # OES15110902_586

Issued Date: 2015Nov09

Issued By: Shaun Koehler

Author: Shaun Koehler

Change affects whole product family?

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

586-1102-101F, -103F, 105F, -001F, -003F, -005F; 586-1A02-101F, 103F, -105F, -802

Description of Change:

LED has gone EOL and is being replaced by a brighter Green LED.

Reason for Change:

LED has gone end of life

Properties of Old vs. Changed Product:

See attached comparision Specs.

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						
3MM WHITE color 2 LEADED LED WHITE EPOXY	586-1102-101F, -103F, -105F, -001F, -003F, -005F; 5861A02101F, -103F,					Replacement LED			
DIFFUSED	-105F, -802								
	OPERATING CHARACTERISTICS @ 25° AMBIENT					OPERATING CHARACTERISTICS @ 25° AMBIENT			
	If	MIN	TYP	MAX		If	MIN	TYP	MAX
LUMINOUS INTENSITY (mcd)	20mA	300	575	850		20mA	680	1000	1900
FORWARD VOLTAGE (V)	20mA	3	3.4	4		20mA		3.2	3.8
PEAK WAVELENGTH (nm)								518	
DOMINANT WAVELENGTH (nm)		519	525	531			515	525	535
VIEWING ANGLE 2θ1/2 (deg)				80				30	
	ABSOLUTE MAXIMUM RATINGS @ TA=25° C					ABSOLUTE MAXIMUM RATINGS @ TA=25° C			
POWER DISSIPATION (mW)				125					114
Transient pulsed CURRENT(mA) 10micro sec pulse				100					100
CONTINUOUS FORWARD CURRENT (mA)				30					30
DERATING LINEARLY FROM (mA/C°)				(40°) 0.5					(40°) 0.5
REVERSE CURRENT				5					50
OPERATING TEMP. RANGE (C°)				-30 to +85					-30 to +85
STORAGE TEMP. RANGE (C°)				-40 to +100					-40 to +100
LEAD SOLDERING TEMP. (C°) 1/16th from base				260C FOR 10 SECONDS					260C FOR 5 SECONDS
	PHYSICAL DIMENSIONS					PHYSICAL DIMENSIONS			
LED EMITTING COLOR				GREEN					GREEN
LED EPOXY COLOR				WHITE DIFFUSED					WHITE DIFFUSED
LED LEADS				Pb FREE RoHS					Pb FREE RoHS
LED DIE TECHNOLOGY				InGaN					InGaN
NOTES:									
REVERSE VOLTAGE Vr Condition is applied for IR test only. The device is not designed for REVERSE OPERATION									