



# 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:									
			<b>EOL LED</b>						
<b>3MM WHITE color 2 LEADED LED WHITE EPOXY</b>	<b>586-1102-101F, -103F, -105F, -001F, -003F, -005F; 5861A02101F, -103F,</b>					<b>Replacement LED</b>			
<b>DIFFUSED</b>	<b>-105F, -802</b>								
	<b>OPERATING CHARACTERISTICS @ 25° AMBIENT</b>					<b>OPERATING CHARACTERISTICS @ 25° AMBIENT</b>			
	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	
	<b>ABSOLUTE MAXIMUM RATINGS @ TA=25° C</b>					<b>ABSOLUTE MAXIMUM RATINGS @ TA=25° C</b>			
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
	<b>PHYSICAL DIMENSIONS</b>					<b>PHYSICAL DIMENSIONS</b>			
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									