



Customer Product/Process Change Notification

PCN # OES17101201_597

Issued Date: 10/2/2017

Issued By: Nick Oesterheld

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Change affects whole product family?

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

597-7761-207F,-202F Discrete O/G Bi color SM LED and code 36 Bottom LED in P/N 592-3036-822F,-823F

Description of Change:

The LED 597-7761-207F,-202F is EOL and replacement LED 597-7741-007F,-002F will be brighter with a more efficient AllnGaP Die technology.

Reason for Change:

LED Die no longer available and EOL

Properties of Old vs. Changed Product:

SEE LED COMPARISON SHEET ATTACHED

Disposition of Old Product:

Deplete small qty. of existing stock

Expected Implementation Date:

Last Time Buy Date: NOT APPLICABLE

Customer Feedback Expected by:

Additional Comments: (Include Potential Risks if Appropriate)

EOL LED was MSL 2, 560nm typ Green, and replacement LED is MSL 3, 570nm typ Green and 10X brighter Orange and Green @ 10ma.

Supporting Qualification Data:

Available upon Request.

Approved By:

(Minimum of three approvals are required.)

Vice President of Operations: Matt Boudiette

Vice President of Sales OED/Signals: _____

Director of Customer Service: Kathy Smith

Vice President of Marketing: _____

Director of Quality: Angel Escamilla

NOTE: Expected Implementation date and Last Time Buy Date are estimated based on existing materials and consumption rates. Subject to change.

LED COMPARISON TABLE:

5977761207F,202F and 5977741007F,002F

OLD and New Replacement Part

LUMINOUS INTENSITY (mcd) Orange
 LUMINOUS INTENSITY (mcd) Green
 FORWARD VOLTAGE (V) Orange
 FORWARD VOLTAGE (V) Green
 PEAK WAVELENGTH (nm) Orange
 PEAK WAVELENGTH (nm) Green
 DOMINANT WAVELENGTH (nm) Orange
 DOMINANT WAVELENGTH (nm) Green
 VIEWING ANGLE 2 1/2 (deg)
 REVERSE CURRENT (micro amps) Vr=12v

 POWER DISSIPATION (mW) Orange
 POWER DISSIPATION (mW) Green
 PEAK PULSE FORWARD CURRENT(mA) Orange
 PEAK PULSE FORWARD CURRENT(mA) Green
 CONTINUOUS FORWARD CURRENT (mA)
 DERATING LINERALLY FROM (mA/C°) Orange
 DERATING LINERALLY FROM (mA/C°) Green
 REVERSE VOLTAGE (IR=10 µA)
 OPERATING TEMP. RANGE (C°)
 STORAGE TEMP. RANGE (C°)
 LEAD Reflow SOLDERING TEMP. (C°)

 Surface Mount PLCC-4 Package size
 LED EMITTING COLOR
 LED EMITTING COLOR
 LED EPOXY COLOR
 LED LEADS
 LED DIE TECHNOLOGY Orange
 LED DIE TECHNOLOGY Green
 MOISTURE SENSITIVITY LEVEL

5977761207F,202F EOL PART SPECS

OPERATING CHARACTERISTICS @ 25° AMBIENT

| If | MIN | TYP | MAX |
|------|-----|------|-----|
| 10ma | 4.5 | | 18 |
| 10ma | 1.8 | | 7.1 |
| | | 2.0 | 2.5 |
| | | 2.0 | 2.5 |
| | | 610 | |
| | | 557 | |
| | 600 | 606 | 612 |
| | 554 | 560 | 566 |
| | 120 | | |
| | | 0.01 | 10 |

ABSOLUTE MAXIMUM RATINGS @ TA=25° C

| | |
|--|---------------------|
| | 95 |
| | 90 |
| | 0.5 |
| | 0.5 |
| | 30 |
| | (50°) 0.50 |
| | (50°) 0.50 |
| | 12 |
| | -40 TO + 100 |
| | -40 TO +100 |
| | 260C FOR 10 SECONDS |

PHYSICAL DIMENSIONS

| | |
|--|---|
| | .138" (3.5mm) x .110" (2.8mm) x .075" (1.9mm) |
| | ORANGE |
| | GREEN |
| | CLEAR |
| | Pure Tin (Sn) Pb FREE RoHS |
| | GaAlP |
| | GaP |
| | 2 |

5977741007F,002F REPLACEMENT LED SPECS

OPERATING CHARACTERISTICS @ 25° AMBIENT

| If | MIN | TYP | MAX |
|------|-----|-----|-----|
| 10ma | 63 | 120 | 200 |
| 10ma | 25 | 43 | 80 |
| | 1.7 | 2.0 | 2.5 |
| | 1.7 | 2.0 | 2.5 |
| | | 610 | |
| | | 575 | |
| | 600 | 605 | 610 |
| | 565 | 570 | 576 |
| | 120 | | |
| | | | 10 |

REVERSE CURRENT (micro amps) Vr=5v

ABSOLUTE MAXIMUM RATINGS @ TA=25° C

| | |
|--|---------------------|
| | 75 |
| | 75 |
| | 125 |
| | 125 |
| | 30 |
| | 5 |
| | -40 to +85 |
| | -40 to + 85 |
| | 260C FOR 10 SECONDS |

PHYSICAL DIMENSIONS

| | |
|--|---|
| | .138" (3.5mm) x .110" (2.8mm) x .075" (1.9mm) |
| | ORANGE |
| | GREEN |
| | CLEAR |
| | Silver (Ag) Pb FREE RoHS |
| | AllnGaP |
| | AllnGaP |
| | 3 |