



Customer Product/Process Change Notification

PCN # OES15112402_55X

Issued Date: 2015Nov24

Issued By: Shaun Koehler

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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 | | | | | | | | | |