



Customer Product/Process Change Notification

PCN # 110893

Issued Date: 12-8-23

Issued By: Cheryll Santiago

Author: Cheryll Santiago

Change affects whole product family?	No
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Part #'s affected (See attached if entire product family is affected)

597-3007-607F, 597-3007-602F

Description of Change:

New LED Die material is better performance and brighter

Reason for Change:

Old LED Die technology and LED die is reaching EOL

Properties of Old vs. Changed Product:

See Comparison sheets

Disposition of Old Product:

Expected Implementation Date:

8-Dec-24

Last Time Buy Date:

4/30/2024

Customer Feedback Expected by:

Not Applicable

Additional Comments: (Include Potential Risks if Appropriate)

Supporting Qualification Data:

When Available upon request only.

AFFECTED PART NUMBERS:

OBSOLETE P/N	DESCRIPTION	NEW Replacement P/N	DESCRIPTION
597-3007-602F	1206 SM LED RED Sample Strip	597-3007-607NF	1206 SM LED RED
597-3007-607F	1206 SM LED RED 7" Reel	597-3007-607NF	1206 SM LED RED 7" Reel

Approved By:

(Minimum of three approvals are required.)

Vice President of Operations: _____

Vice President of Sales OED/Signals: _____

Director of Customer Service: _____

Vice President of Marketing: _____

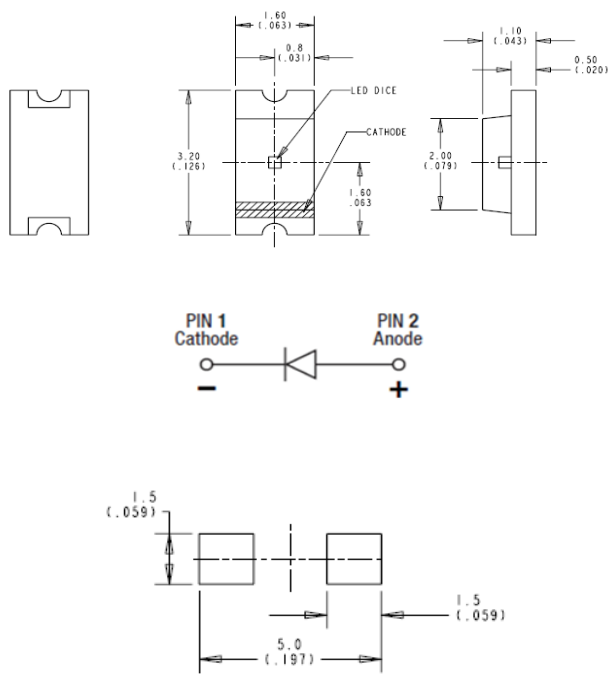
Director of Quality: _____

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

LED COMPARISON TABLE								
For EOL part numbers: 597-3007-607F, 597-3007-602F and Replacement part number: 597-3007-607NF								
OPERATING CHARACTERISTICS	597-3007-602F, 597-3007-607F (Old LED Die)				597-3007-607NF (New LED Die)			
	OPERATING @ 25° AMBIENT				OPERATING @ 25° AMBIENT			
	If	MIN	TYP	MAX	If	MIN	TYP	MAX
LUMINOUS INTENSITY (mcd)	20mA	4.0	8.0	30	20mA	30	50	
FORWARD VOLTAGE (V)	20mA		2.0	2.6	20mA		2.0	2.4
DOMINANT WAVELENGTH (nm)			621				624	
VIEWING ANGLE 2θ1/2 (deg)	130				130			
REVERSE CURRENT (uA)	100uA (Vr=5V)				100uA (Vr=5V)			
RATINGS / CHARACTERISTICS	ABSOLUTE MAX RATINGS @ TA=25° C				ABSOLUTE MAX RATINGS @ TA=25° C			
POWER DISSIPATION (mW)	62.5mW				75mW			
PEAK FORWARD CURRENT(mA)	60mA				80mA			
CONTINUOUS FORWARD CURRENT (mA)	25mA				30mA			
REVERSE VOLTAGE	5V				5V			
OPERATING TEMP. RANGE (C°)	-55C to +85C				-55C to +85C			
STORAGE TEMP. RANGE (C°)	-55C to +85C				-55C to +85C			
LEAD Reflow SOLDERING TEMP. (C°)	260C for 5 seconds				260C for 5 seconds			
PART SPECS								
Package Size	3.20 x 1.60 x 1.10mm (1206)				3.20 x 1.60 x 1.10mm (1206)			
LED EMITTING COLOR	Red				Red			
LED EPOXY COLOR	Water Clear				Water Clear			
LED LEADS	SMT, 2 pads				SMT, 2 pads			
LED DIE TECHNOLOGY	GaP				AlInGaP			
MOISTURE SENSITIVITY LEVEL	3				3			
Packaging	3000 pcs per reel				3000 pcs per reel			

COMPARISON DRAWINGS

Old Part Drawing



New Part Drawing

