



Customer Product/Process Change Notification

PCN # OES08022701_55XLED

Issued Date: 2/26/2008

Issued By: Nick Oesterheld

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Change affects whole product family? No

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

CBI Products 550,552-03xx and 03xxF and Panel Mount Products 559-0102-xxx and -xxxF. See separate tab for P/Ns.

Description of Change:

5mm diameter LED, diffused red (655nm peak wavelength), 5V integral resistor. LED was discontinued and the replacement LED is a 5mm dia diffused red (635nm peak wavelength), 5V integral resistor LED.

Reason for Change:

Discontinued LED. Form and fit is the same.

Properties of Old vs. Changed Product:

See separate tab titled "LED Comparison Table"

Disposition of Old Product:

Use as is until depleted.

Expected Implementation Date: 5/1/2008

Customer Feedback Expected by: N/A

Additional Comments: (Include Potential Risks if Appropriate)

Slight color shift from deep red to a normal red.

Supporting Qualification Data:

Available upon request.

Approved By:

(Minimum of three approvals are required.)

Vice President of Operations: *D.W. Pheteplice*

Sales OED/Signals: *Tim Strand*

Director of Customer Service: *Kathy Smith*

Channel & Marketing Director: *Robert E. Derringer*

Director of Quality: *Rich Liskoff*

AFFECTED PART NUMBERS

5500504	5520310	5590102001
5500504F	5520310F	5590102001F
5500504004	5520311	5590102003
5500504004F	5520311F	5590102003F
5500504100	5520312	5590102007
5500504100F	5520312F	5590102007F
5500505	5520313	5590102815
5500505F	5520313F	5590102815F
5500505003	5520321	5590102816
5500505003F	5520321F	5590102816F
5500505004	5520331	
5500505004F	5520331F	
5500505100		
5500505100F		
5500505803		
5500505803F		
5500506814		
5500506814F		
5500507		
5500507F		
5500507002		
5500507002F		
5500507004		
5500507004F		
5500507010		
5500507010F		
5500507100		
5500507100F		
5500508		
5500508F		
5500512		
5500512F		

LED COMPARISON TABLE:

For 5mm Diameter Red Diffused 5V Integral Resistor

LUMINOUS INTENSITY (mcd) RED
 FORWARD Current RED (ma)
 Peak WAVELENGTH (nm) RED
 DOMINANT WAVELENGTH (nm) RED
 VIEWING ANGLE 2θ1/2 (deg)
 REVERSE VOLTAGE

DC FORWARD VOLTAGE (volts)
 REVERSE VOLTAGE (IR=100 μA)
 OPERATING TEMP. RANGE (C°)
 STORAGE TEMP. RANGE (C°)
 Manual DIP SOLDERING TEMP. (C°)

LED Body Diameter
 LED Body Length
 LED Lead Size
 LED EMITTING COLOR
 LED EPOXY COLOR
 LED LEADS
 LED DIE TECHNOLOGY

5mm Dia Red 5V integral resistor LED PART SPECS

OPERATING CHARACTERISTICS @ 25° AMBIENT

	MIN	TYP	MAX
LUMINOUS INTENSITY (mcd) RED	1	2	
FORWARD Current RED (ma)		13	20
Peak WAVELENGTH (nm) RED		655	
DOMINANT WAVELENGTH (nm) RED			
VIEWING ANGLE 2θ1/2 (deg)	60		
REVERSE VOLTAGE		5V	

ABSOLUTE MAXIMUM RATINGS @ TA=25° C

DC FORWARD VOLTAGE (volts)	7.5
REVERSE VOLTAGE (IR=100 μA)	5
OPERATING TEMP. RANGE (C°)	-40 TO +85
STORAGE TEMP. RANGE (C°)	-55 TO +100

260C FOR 5 SECONDS

PHYSICAL DIMENSIONS

LED Body Diameter	0.180"	0.200"
LED Body Length	0.332"	0.362"
LED Lead Size	0.025" sq	
LED EMITTING COLOR	RED	
LED EPOXY COLOR	Red Tinted Diffused	
LED LEADS	Pb FREE RoHS	
LED DIE TECHNOLOGY	GaAsP Red	

**REPLACEMENT
 5mm Dia Red 5V integral resistor LED PART SPECS**

OPERATING CHARACTERISTICS @ 25° AMBIENT

	MIN	TYP	MAX
LUMINOUS INTENSITY (mcd) RED	2.1		
FORWARD Current RED (ma)		10	15
Peak WAVELENGTH (nm) RED		635	
DOMINANT WAVELENGTH (nm) RED		626	
VIEWING ANGLE 2θ1/2 (deg)	60		
REVERSE VOLTAGE		5V	

ABSOLUTE MAXIMUM RATINGS @ TA=25° C

DC FORWARD VOLTAGE (volts)	7.5
REVERSE VOLTAGE (IR=100 μA)	5
OPERATING TEMP. RANGE (C°)	-40 to +85
STORAGE TEMP. RANGE (C°)	-55 to + 100

260C FOR 5 SECONDS

PHYSICAL DIMENSIONS

LED Body Diameter	0.180	0.190	0.200
LED Body Length	0.332"	0.347"	0.362"
LED Lead Size	0.025" sq		
LED EMITTING COLOR	RED		
LED EPOXY COLOR	Red Tinted Diffused		
LED LEADS	Pb FREE RoHS		
LED DIE TECHNOLOGY	GaAsP/GaP Red		