PRODUCT SPECIFICATION

Part Number

PL314C-1RG1RY2RG121301

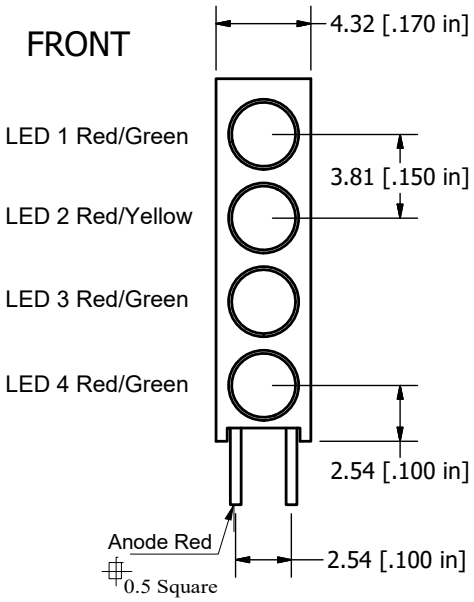
Details

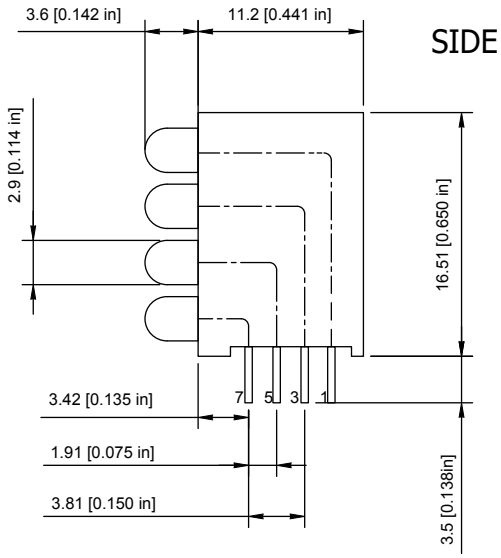
- 3mm Quad-Level CBI LED
- Bi-Color Red/Green & Red/Yellow Emitting
- Housing material Nylon 66 UL94V-0
- White Diffused lens

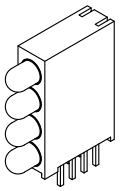
Features

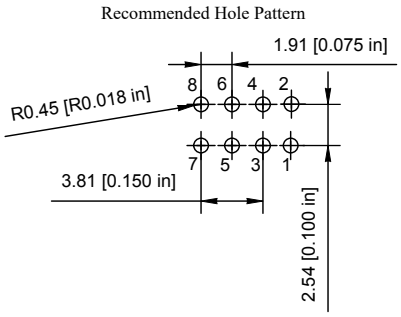
- RoHS Compliant
- Space saving Circuit Board Indicator
- Rugged and Durable

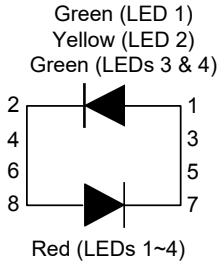
Mechanical Dimensions











1,3,5,7: Red Cathode
2,6,8: Green Cathode
4: Yellow Cathode

Notes:
1. All dimensions are in millimeters [in] unless otherwise noted
2. Tolerance is±0.25mm unless otherwise noted
3. Specifications subject to change without notice

Device Selection Guide

Part Number	Housing Material	Chip			LED Lens Type
		Chip No.	Material	Emitting Color	
PL314C-1RG1RY2RG121301	Nylon 66 UL94-0	R12	GaAsP/GaP	Orange-Red	White Diffused
		G13	GaP/GaP	Green	
		Y01	GaAsP/GaP	Yellow	

LED Absolute Maximum Ratings at Ta=25℃

Parameter	Symbol	Rating		Unit
Power Dissipation	PD	Red	78	mW
		Green	78	
		Yellow	78	
Reverse Voltage	VR	5		V
DC Forward Current	IF	30		mA
Reverse (Leakage) Current	Ir	100		μA
Peak Current (duty cycle 1/10, 1KHz)	IPF	100		mA
Operating Temperature	Topr	-25~+85		℃
Storage Temperature	Tstg	-40~+100		℃
Soldering Temperature (1.6mm from body)	Tsol.	Dip Soldering : 260℃ for 5 sec. Hand Soldering : 350℃ for 3 sec.		

LED Electrical and Optical Characteristics at Ta=25℃

Parameter	Symbol	Color	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	Red	8.0	14.0	--	mcd	IF=20mA
		Green	7.0	12.0	--		
		Yellow	7.0	12.0	--		
Forward Voltage	Vf	Red	--	2.1	2.3	V	
		Green	--	2.1	2.6		
		Yellow	--	2.1	2.6		
Peak Wavelength	λp	Red	--	642	--	nm	
		Green	--	567	--		
		Yellow	--	585	--		
Dominant Wavelength	λd	Red	--	629	--		
		Green	--	572	--		
		Yellow	--	590	--		
Reverse (Leakage) Current	Ir	--	--	--	50	μA	Vr=5V
Viewing Angle	2θ1/2	--	--	55	--	--	deg
Spectrum Line Halfwidth	Δλ	Red	--	35	--	nm	IF=20mA
		Green	--	30	--		
		Yellow	--	30	--	nm	

Notes: 1. Tolerance of Luminous Intensity is ±15%
2. Tolerance of Forward Voltage is ±0.1V
3. Tolerance of Dominant Wavelength is ±1nm

PL314C-1RG1RY2RG121301 Customer Approval Signatures			
Approved By	**Signature**	**Date**	**Notes/Remarks**

Record Of Revisions			
Rev.	**Comments**	**Page**	**Date**
0	Released Spec	--	1/23/2019