



PARA LIGHT ELECTRONICS CO., LTD.

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DATA SHEET

PART NO. : L-314ID-4MM

REV : A / 1

CUSTOMER'S APPROVAL : _____

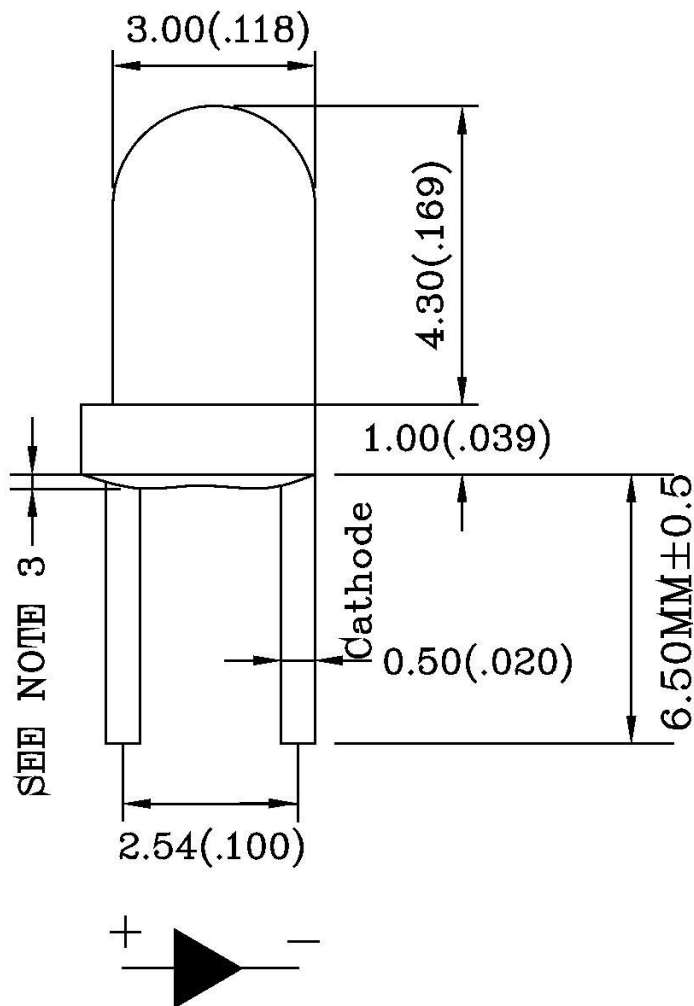
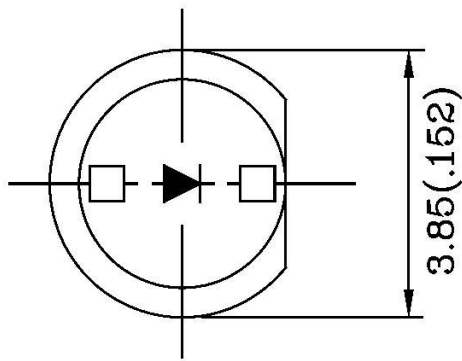
DCC : _____

DRAWING NO. : DS-G-33-19-0075

DATE : 2019-10-07

Page : 1

PACKAGE DIMENSIONS



ITEM	MATERIALS
RESIN	Epoxy Resin
LEAD FRAME	Sn Plating iron Alloy

Note:

- 1.All Dimensions are in millimeters.
- 2.Tolerance is $\pm 0.25\text{mm}(0.010 \text{ "})$ Unless otherwise specified.
- 3.Protruded resin under flange is $1.5\text{mm}(0.059 \text{ "})$ max.
- 4.Lead spacing is measured where the leads emerge from the package.
- 5.Specification are subject to change without notice
- 6.The lamps have sharp and hard points that may injure human eyes or fingers etc., so please pay enough care in the handling.



3.0 mm DIA LED LAMP

L-314ID-4MM

REV:A / 1

FEATURES

- * 3.0mm DIA LED LAMP
- * LOW POWER CONSUMPTION.
- * I.C. COMPATIBLE.
- * LONG LIFE SOLID STATE RELIABILITY
- * Pb FREE PRODUCTS
- * SL LEVEL 1

CHIP MATERIALS

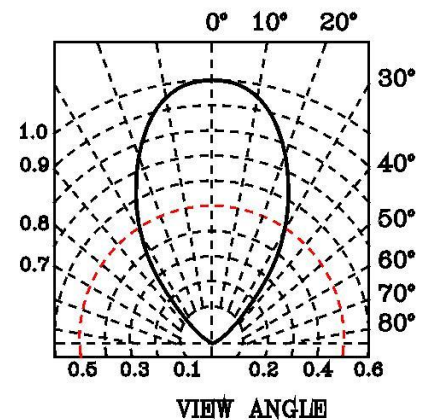
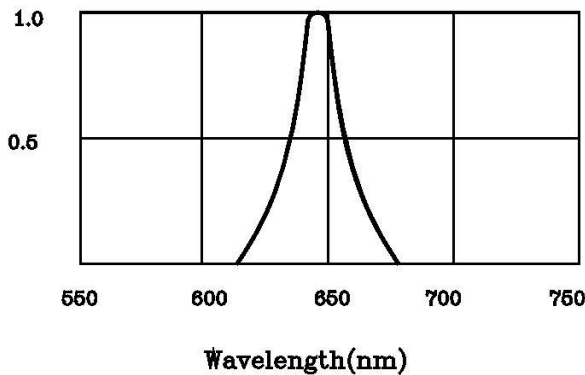
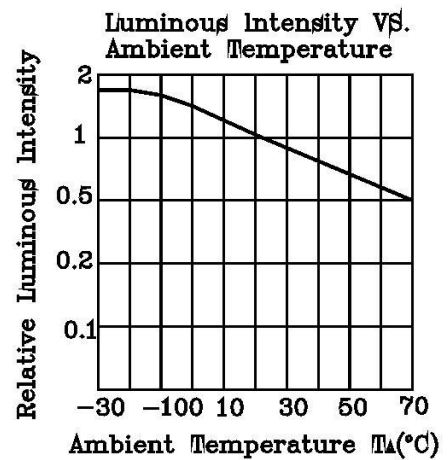
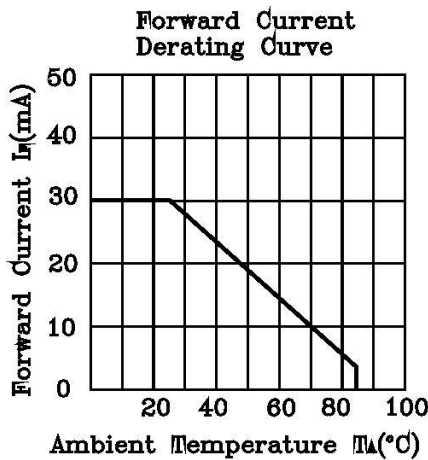
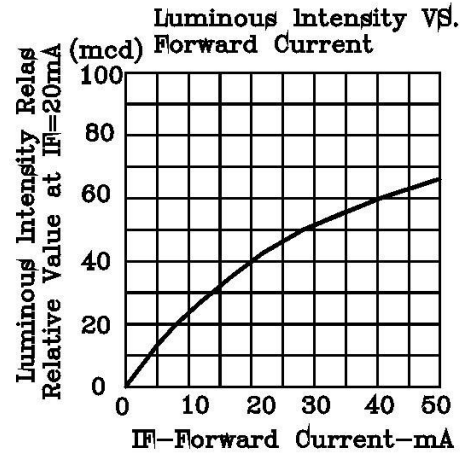
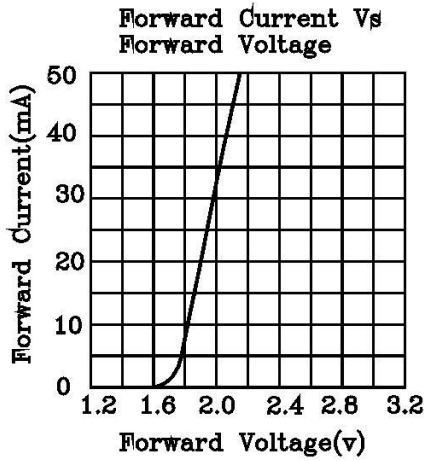
- * Dice Material : GaAlAs/GaAs
- * Light Color : RED
- * Lens Color : WHITE DIFFUSED

ABSOLUTE MAXIMUM RATING : (Ta = 25 °C)

SYMBOL	PARAMETER	RED	UNIT
PD	Power Dissipation Per Chip	75	mW
VR	Reverse Voltage Per Chip	5	V
IAF	Continuous Forward Current Per Chip	30	mA
IPF	Peak Forward Current Per Chip (Duty = 0.1, 1KHz)	200	mA
—	Derating Linear From 25 °C Per Chip	0.40	mA/ °C
Topr	Operating Temperature Range	-25 °C to 85 °C	
Tstg	Storage Temperature Range	-25 °C to 85 °C	

ELECTRO-OPTICAL CHARACTERISTICS : (Ta = 25 °C)

SYMBOL	PARAMETER	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
VF	Forward Voltage	IF = 20mA		1.9	2.5	V
IR	Reverse Current	VR = 5V			100	A
D	Dominant Wavelength	IF = 20mA		643		nm
Δ	Spectral Line Half-Width	IF = 20mA		20		nm
2θ1/2	Half Intensity Angle	IF = 20mA		60		deg
IV	Luminous Intensity	IF = 20mA		40		mcd





3.0 mm DIA LED LAMP

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Label Explanation

		光鼎电子股份有限公司 PARA LIGHT ELECTRONICS CO.,LTD.	
PART NO. :			
LOT NO. :		INSPECTED	
BIN :			
Q' TY :	PCS		
N. W :	g		

PARA NO. : Refer to p13

LOT NO. : E L L 4 7 0009

A B C D E F

- A---E: For series number
- B---L: Local F: Foreign
- C---L: LAMP
- D---Year
- E---Month
- F---SPEC.