



PARA LIGHT ELECTRONICS CO., LTD.
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DATA SHEET

PART NO. : L-413IW-4MM

REV : A / 1

CUSTOMER'S APPROVAL : _____

DCC : _____

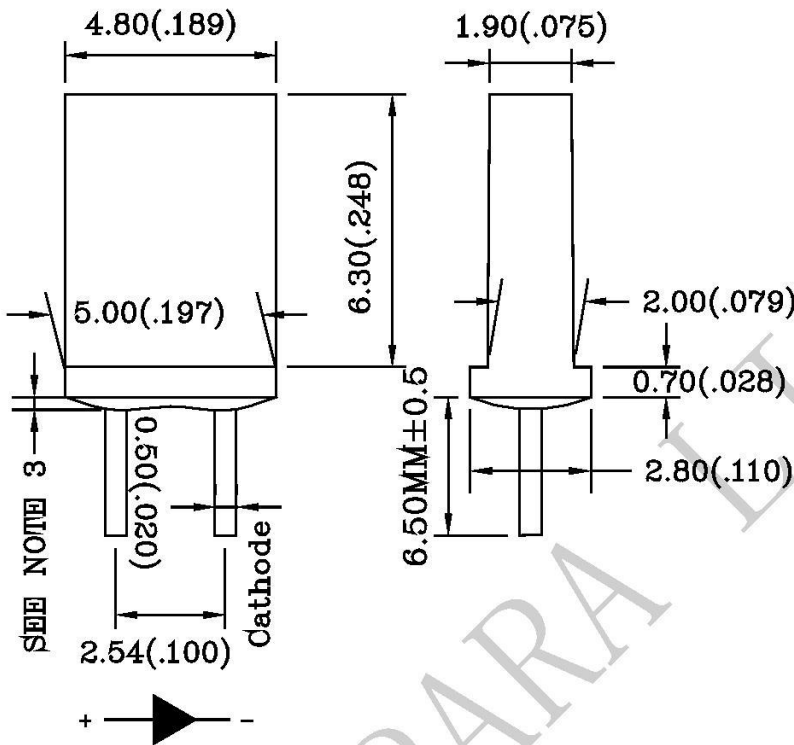
DRAWING NO. : DS-G-34-19-0006

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 ") Unless otherwise specified.
3. Protruded resin under flange is 1.5mm (0.059 ") max.



2.0*5.0*7.0 mm RECTANGULAR LED LAMP

L-413IW-4MM

REV:A / 1

FEATURES

- * 2.0*5.0*7.0 mm RECTANGULAR LED LAMP.
- * LOW POWER CONSUMPTION
- * I.C. COMPATIBLE
- * LONG LIFE SOLID STATE RELIABILITY
- * Pb FREE PRODUCTS

CHIP MATERIALS

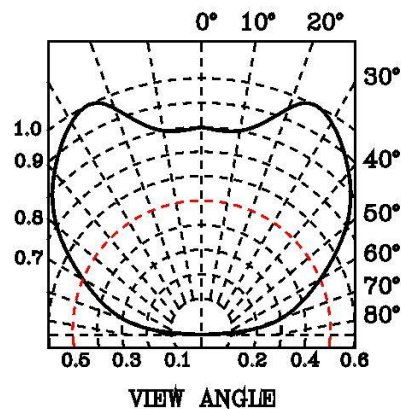
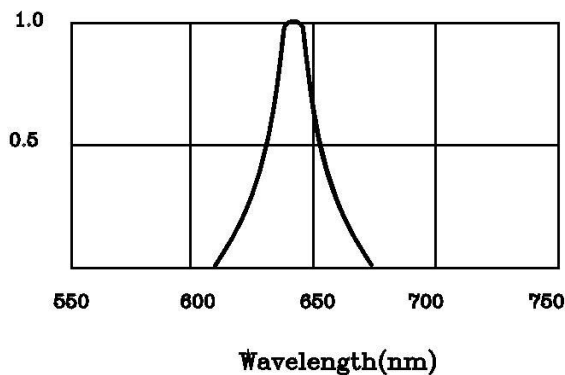
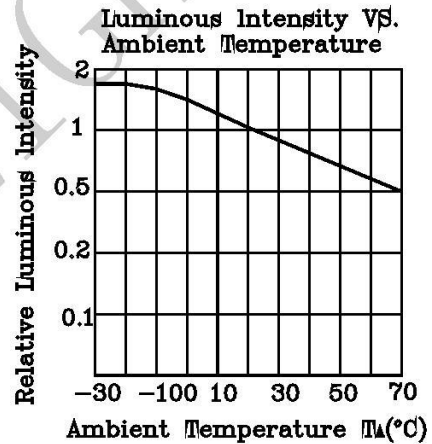
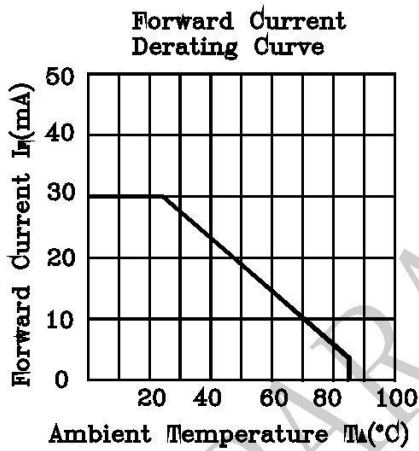
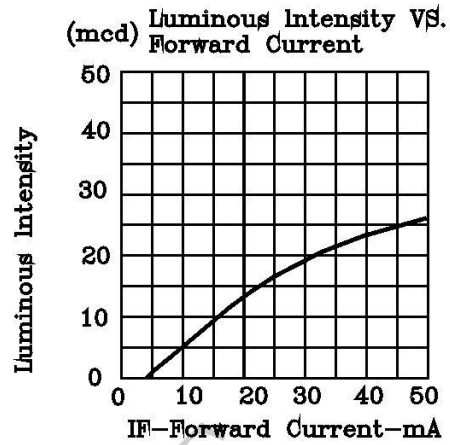
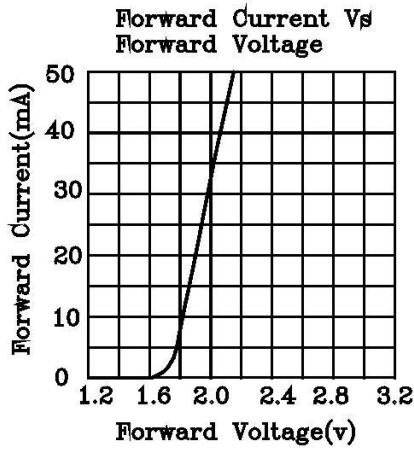
- * Dice Material : GaAlAs/GaAs
- * Light Color : RED
- * Lens Color : White DIFFUSED

ABSOLUTE MAXIMUM RATING : (Ta = 25°C)

SYMBOL	PARAMETER	RED	UNIT
PD	Power Dissipation Per Chip	78	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)	120	mA
—	Derating Linear from 25°C Per Chip	0.40	mA/°C
Topr	Operating Temperature Range	-40°C to 85°C	
Tstg	Storage Temperature Range	-40°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	2.3	V
IR	Reverse Current	VR = 5V			10	A
λD	Dominant Wavelength	IF = 20mA		643		nm
Δ	Spectral Line Half-Width	IF = 20mA		20		nm
2θ1/2	Half Intensity Angle	IF = 20mA		120		deg
IV	Luminous Intensity	IF = 20mA	5.5	13	29.5	mcd





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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. : L-413IW-4MM
Refer to page 12

LOT NO. : EN L L 19 01 0009
A B C D E F

- A---EN: For series number
- B---L: Lamp
- C---L: Local
- D---Year
- E---Month
- F--- Serial number