InGaAlP Yellow−Orange Ultra Bright 3mm LED

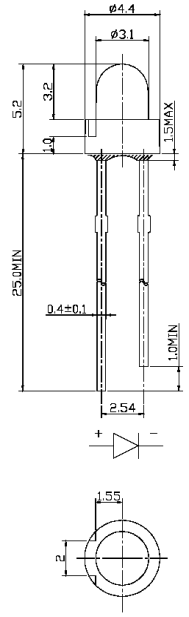
LC307PYO1−30Q−A

Features

Lead Free

Applications

Advertising Signs
Indicators



NOTES:1. ALL DIMENSIONS ARE IN mm TOLERANCE IS:±0.25mm
UNLESS OTHERWISE NOTED.
2. AN EPOXY MENISCUS MAY EXTEND ABOUT 1.5mm
DOWN THE LEADS.
3. BURR AROUND BOTTOM OF EPOXY MAY BE 0.5 mm MAX.

Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Unit
Forward Current	I_F	50	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	125.00	mW
Operating Temperature	T_{opr}	−40 ~ +95	°C
Storage Temperature	T_{stg}	−40 ~ +100	°C
Soldering Temperature	T_{sol}	260	°C
Soldering Time	−	for 3 sec. max	−

Opto−Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V_F	I_F=20mA	−	2.00	2.50	V
Reverse Current	I_R	V_R=5V	−	−	100	μA
Luminous Intensity	I_V	I_F=20mA	770.00	1600.00	−	mcd
Viewing Angle	$2\theta^{1/2}$	−	−	30°	−	deg.
Peak Wavelength	λp	I_F=20mA	−	612	−	nm
Dominant Wavelength	λd	I_F=20mA	−	605	−	nm
Spectral Line Half Width	Δλ	I_F=20mA	−	15	−	nm

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LC307PYO1−30Q−A Graphs

Graphs

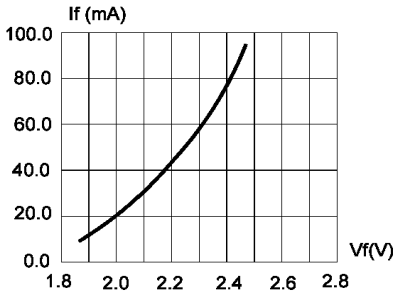

FIG.1 FORWARD CURRENT VS. FORWARD VOLTAGE.

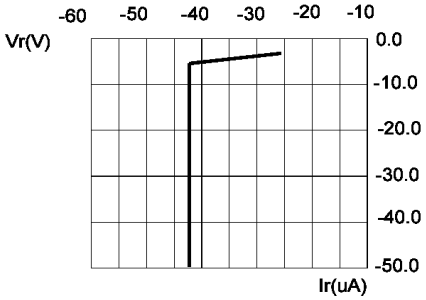

FIG.2 REVERSE CURRENT VS. REVERSE VOLTAGE.

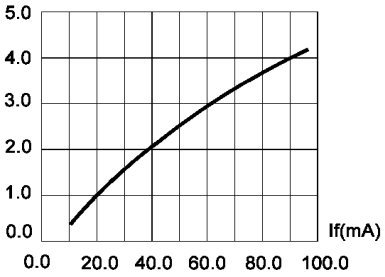

FIG.3 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT.

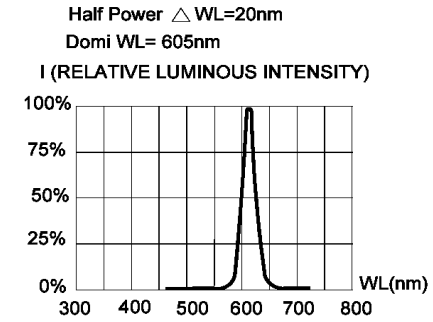

FIG.4 RELATIVE LUMINOUS INTENSITY VS. WAVELENGTH.

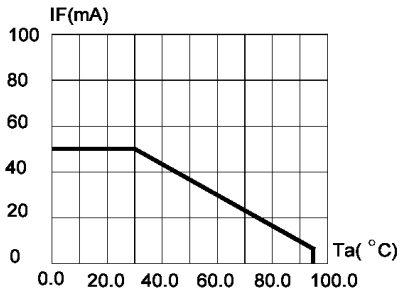

FIG.5 MAXIMUM FORWARD DC CURRENT VS AMBIENT TEMPERATURE (Tjmax=105° C)

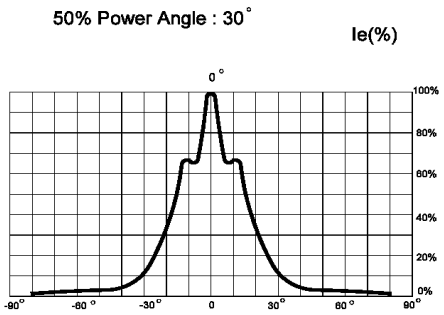

FIG.6 FAR FIELD PATTERN

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