

VISIBLE LIGHT PRODUCTS

(Light Emitting Diode)

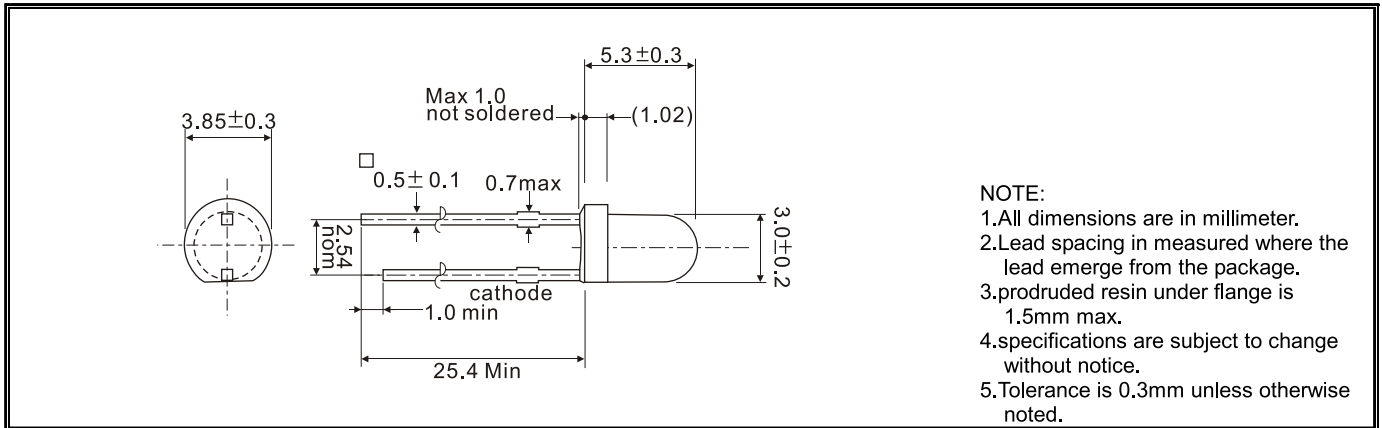
REV:B
DATE:2005/4/20

DEVICE NO:HB3b-143 (Yellow-Green)

LENS COLOR:

✓	colored diffusion		colored transparent		white diffusion		water clear
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PACKAGE DIMENSIONS:



ABSOLUTE MAXIMUM RATINGS:

Material:GaP/GaP

TA=25°C

PARAMETER	SYMBOL	MAX. RATING	UNIT
Power Dissipation	Pd	84	mW
Continuous Forward Voltage	IF	25	mA
Peak Forward Current *1	IFM	50	mA
Reverse Voltage	VR	5	V
LED Junction Temperature	Tj	100	°C
Operating Temperature	Topr	-25 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +100	°C
Lead Soldering Temperature (1.6mm from case Bottom 240 °C for 5 seconds)			

ELECTRIC-OPTICAL CHARACTERISTICS:

TA=25°C

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
View Angle of Half Power	2θ1/2	IF=20mA		40		Degree
Forward Voltage	VF	IF=20mA		2.15	2.80	V
Reverse Current	IR	VR=5V			10	uA
Luminous Intensity *2	IV	IF=20mA	20	40		mcd
Peak Emission Wavelength	λp	IF=20mA		570		nm
Dominate Wave Length *3	λd(HUE)	IF=20mA		567		nm
Spectrum Width of Half Valve	Δλ	IF=20mA		30		nm
Terminal Capacitance	Ct	V=0V F=1MHz		7		pF
Response Frequency	Fc	-----		4		MHz

*1.Duty Ratio=1/10,Pulse Width=0.1ms.

*2.Tolerance:30% HUEY-JANN measuring equipment :1.EXELTRON 2001. 2.S370 made by U.D.T.

*3.The dominate wavelength ,λd, is derived from the CIE Chromaticity Diagram and represents the color of the device.

HUEY JANN ELECTRONICS INDUSTRY CO., LTD.