VISIBLE LIGHT PRODUCTS

RoHS Conformity

(Light Emitting Diode)

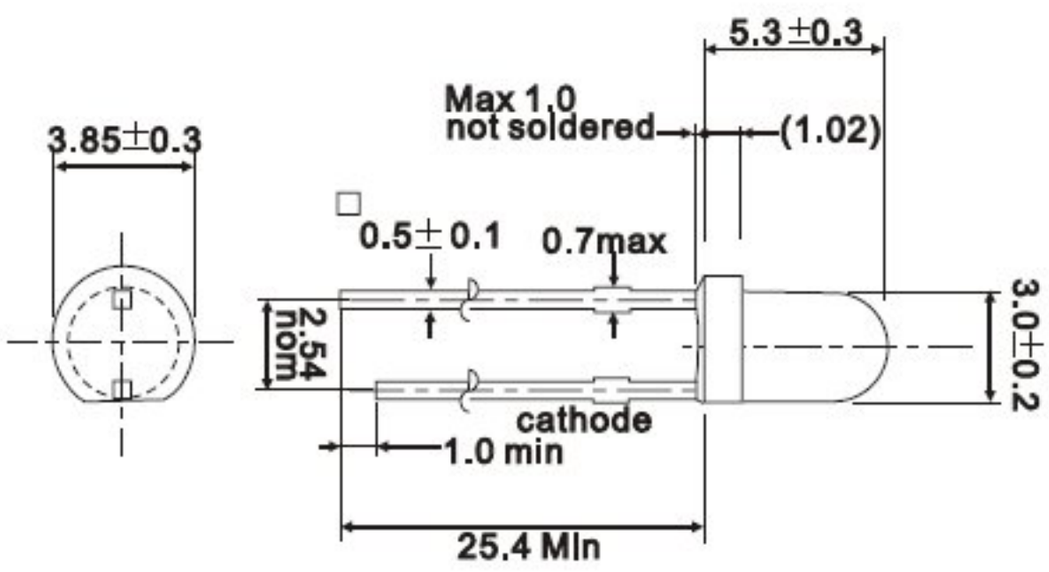
REV:B
DATE:2005/4/25

DEVICE NO:HB3b-143D (Yellow-Green)

LENS COLOR:

√	colored diffusion		colored transparent		white diffusion		water clear

PACKAGE DIMENSIONS:



NOTE:
1.All dimensions are in millimeter.
2.Lead spacing in measured where the lead emerge from the package.
3.prodruded resin under flange is 1.5mm max.
4.specifications are subject to change without notice,
5.Tolerance is 0.3mm unless otherwise noted.

ABSOLUTE MAXIMUM RATINGS:

Material:GaP/GaP TA=25℃

PARAMETER	SYMBOL	MAX. RATING	UNIT
Power Dissipation	Pd	45	mW
Continuous Forward Current	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℃

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
View Angle of Half Power	2θ1/2	IF=2mA		40		Degree
Forward Voltage	VF	IF=2mA		1.90	2.30	V
Reverse Current	IR	VR=5V			10	uA
Luminous Intensity *2	IV	IF=2mA	3.5	6.5		mcd
Peak Emission Wavelength	λp	IF=2mA		570		nm
Dominate Wave Length *3	λd(HUE)	IF=2mA		567		nm
Spectrum Width of Half Valve	Δλ	IF=2mA		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.