



# VISIBLE LIGHT PRODUCTS

( Light Emitting Diode )

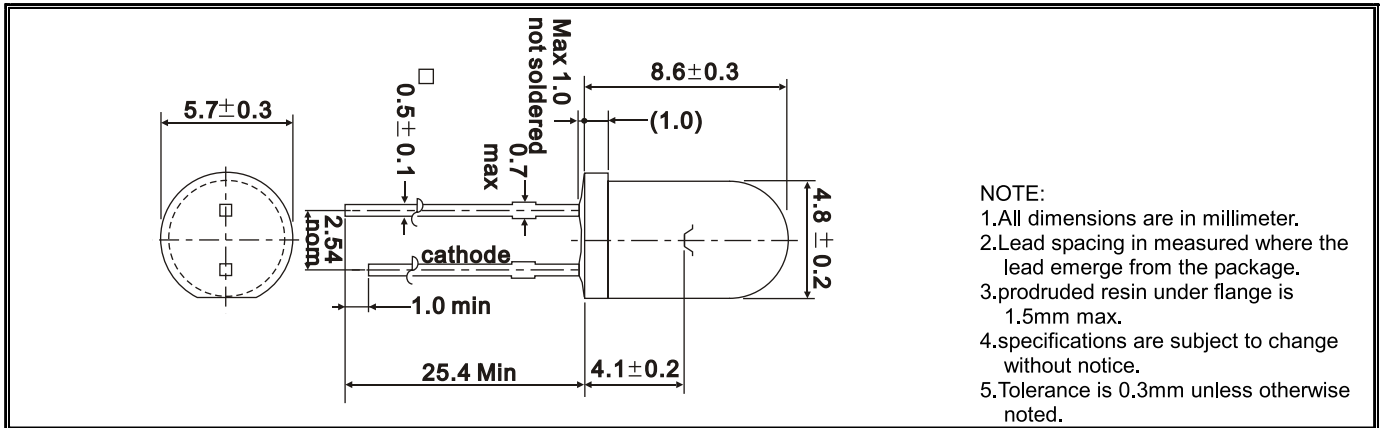
REV:D  
DATE:2006/4/27

DEVICE NO:HB5d-434FY-C (Yellow)

LENS COLOR:

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



ABSOLUTE MAXIMUM RATINGS:

TA=25°C

PARAMETER	SYMBOL	MAX. RATING	UNIT
Power Dissipation	Pd	100	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
Dip Soldering Temperature (3mm from case Bottom 260 °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		24		Degree
Forward Voltage	VF	IF=20mA		2.00	2.50	V
Reverse Current	IR	VR=5V			10	uA
Luminous Intensity *2	IV	IF=20mA	2000	3800		mcd
Peak Emission Wavelength	λp	IF=20mA		592		nm
Dominate Wave Length *3	λd(HUE)	IF=20mA	585	590	594	nm
Spectrum Width of Half Valve	Δλ	IF=20mA		25		nm
Terminal Capaciance	Ct	V=0V F=1MHz		14		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.