

VISIBLE LIGHT PRODUCTS

RoHS
Conformity

(Light Emitting Diode)

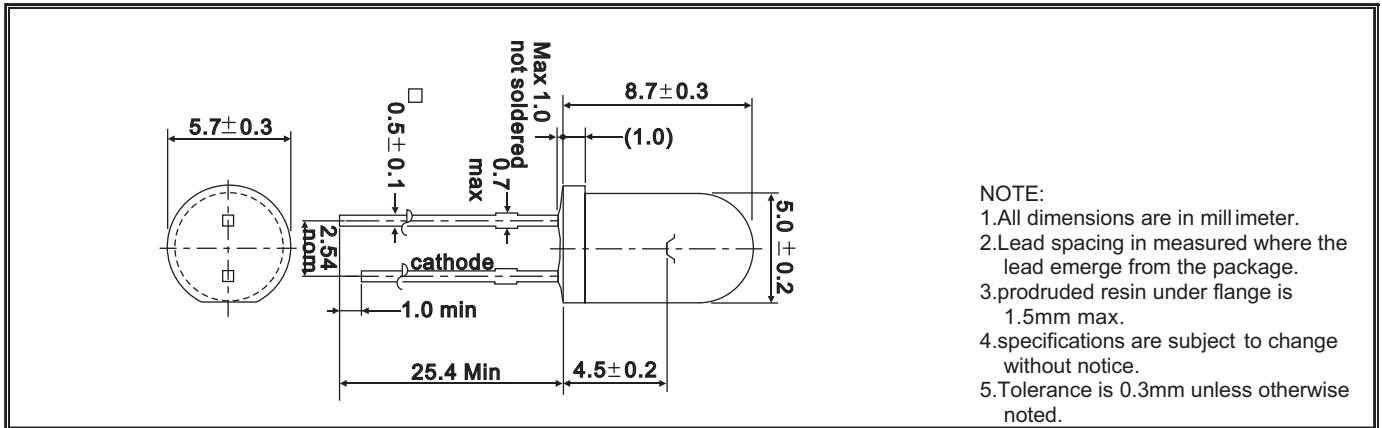
REV:C
DATE:2006/5/2

DEVICE NO:HB5-434AY-C (Super 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 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

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	2 1/2	IF=20mA		40		Degree
Forward Voltage	VF	IF=20mA		2.00	2.50	V
Reverse Current	IR	VR=5V			10	uA
Luminous Intensity *2	IV	IF=20mA	600	1000		mcd
Peak Emission Wavelength	p	IF=20mA		592		nm
Dominant Wave Length *3	d(HUE)	IF=20mA		590		nm
Spectrum Width of Half Valve		IF=20mA		25		nm
Terminal Capacitance	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 dominant wavelength , d, is derived from the CIE Chromaticity Diagram and represents the color of the device.

HUEY JANN ELECTRONICS INDUSTRY CO., LTD.