



VISIBLE LIGHT PRODUCTS

(Super Green Light Emitting Diode)

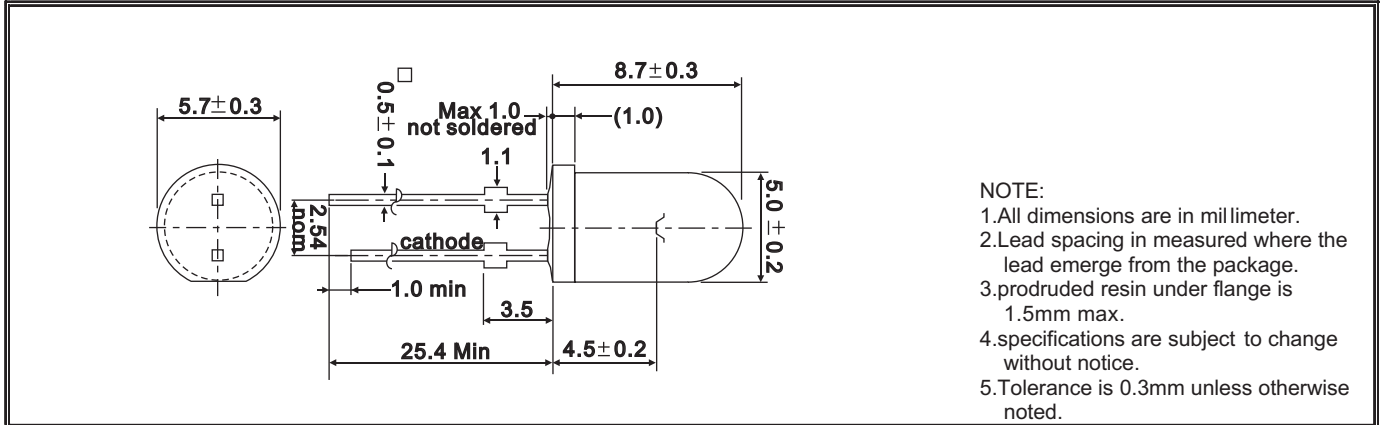
REV:C
DATE:2006/4/4

DEVICE NO:HB5-433AGCA-C/P

LENS COLOR:

colored diffusion	colored transparent	white diffusion	water clear
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PACKAGE DIMENSIONS:



ABSOLUTE MAXIMUM RATINGS:

Material:InGaN/GaN

TA=25°C

PARAMETER	SYMBOL	MAX. RATING	UNIT
Power Dissipation	Pd	120	mW
Continuous Forward Current	IF	25	mA
Peak Forward Current *1	IFM	100	mA
Reverse Voltage	VR	4	V
Electrostatic Discharge (HBM)	ESD	150	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 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		45		Degree
Forward Voltage	VF	IF=20mA		3.5	4.0	V
Reverse Current	IR	VR=4V			60	uA
Luminous Intensity *2	IV	IF=20mA	2100	4300		mcd
Peak Emission Wavelength	p	IF=20mA		523		nm
Dominate Wave Length *3	d(HUE)	IF=20mA	520	525	540	nm
Spectrum Width of Half Valve		IF=20mA		45		nm
Optic Rise Time		IF=20mA		30		ns

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

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

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

HUEY JANN ELECTRONICS INDUSTRY CO., LTD.