



VISIBLE LIGHT PRODUCTS

(Light Emitting Diode)

REV:C

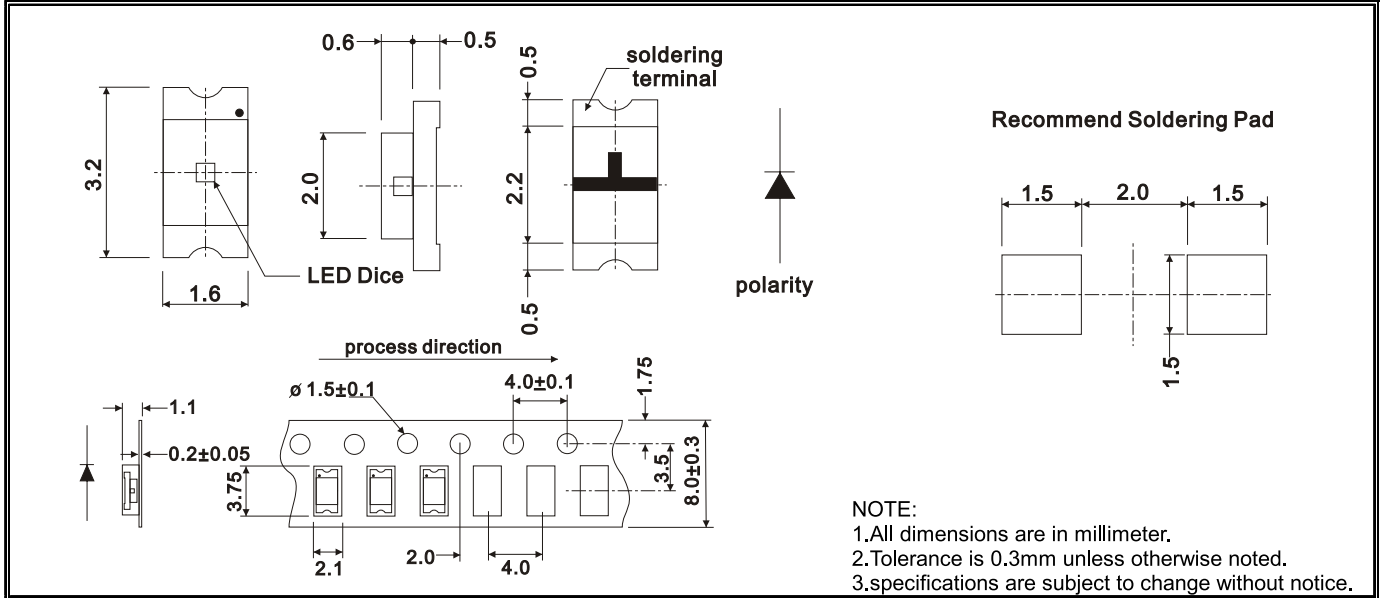
DATE:2006/4/21

DEVICE NO:HCL-1504FY-4 (Super Yellow)

LENS COLOR:

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



ABSOLUTE MAXIMUM RATINGS:

Material: AlInGaP/GaAs

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	-30 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	°C

Reflow Soldering (preheat 150-180°C 60-120sec, soldering temp 260°C 10sec)

ELECTRIC-OPTICAL CHARACTERISTICS:

TA=25°C

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
View Angle of Half Power	2θ1/2	IF=20mA		140		Degree
Forward Voltage	VF	IF=20mA		2.00	2.40	V
Reverse Current	IR	VR=5V			10	uA
Luminous Intensity *2	IV	IF=20mA	30	100		mcd
Peak Emission Wavelength	λp	IF=20mA		589		nm
Dominate Wave Length *3	λd(HUE)	IF=20mA		588		nm
Spectrum Width of Half Valve	Δλ	IF=20mA		20		nm

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

*2.Tolerance:30% HUEY-JANN measuring equipment : Labsphere LED1100.

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

HUEY JANN ELECTRONICS INDUSTRY CO., LTD.