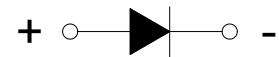
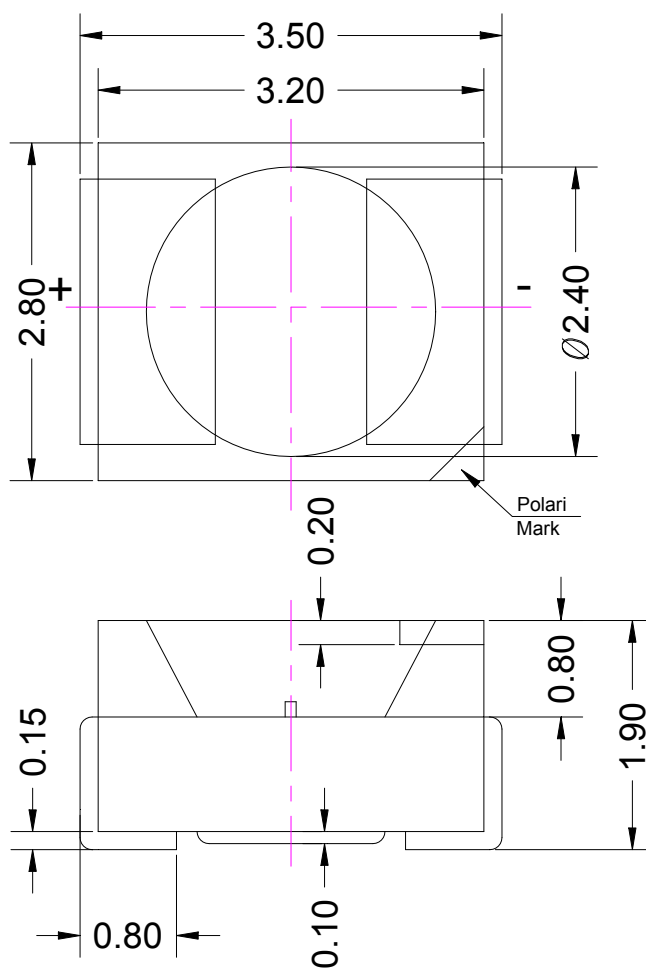




Wen Li	Fang Yang	Jiang Yang	Fang Wang



Tolerance: 0.25(0.01)



Unit mm

Color Pre Green

Lens-color Water clear

Emitting Material InGaN

Drawing by Polari ion



3 Characteristics

Forward current	If	30				mA
Reverse voltage	Vr	5				V
Power dissipation	Pd	110				mW
Operating temperature range	Top	-25 +80				C
Storage temperature range	Tg	-30 +80				C
Peak pulsed current 1/8 d f=1KH	Ifp	125				mA
Wavelength at peak emission	If=20mA	peak	515	520	525	nm
Spectral half bandwidth	If=20mA			10		
Forward voltage	If=20mA	Vf	3.0		3.6	V
Luminous intensity	If=20mA	I	800	1100	1300	mcd



Viewing angle at 50% IV	If=10mA		--	120	--	Deg
Reverse current	Vr=5V	Ir	--	--	5	A
Useful life	-	IF=20mA	100000			H

Typical Electrical/Optical Characteristics Curve
(Ta=25 Unless Otherwise Noted)

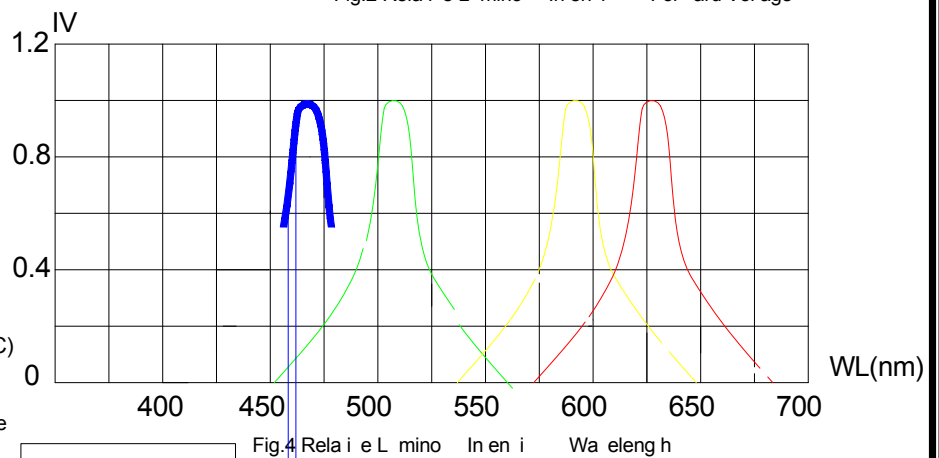
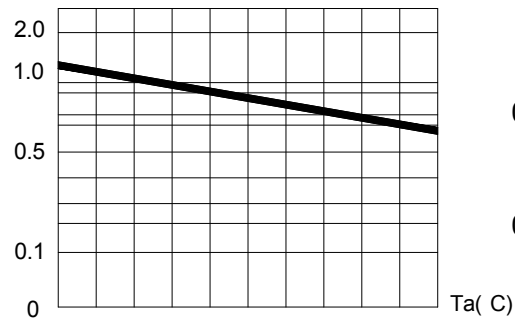
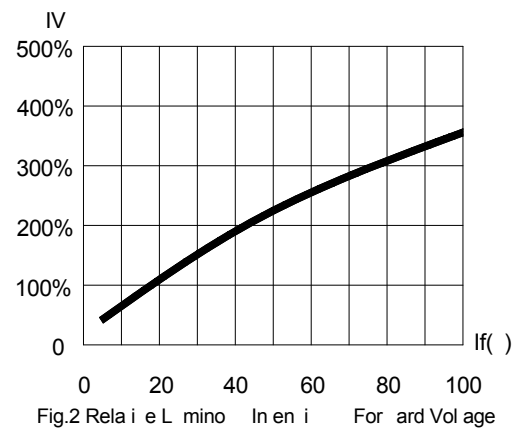
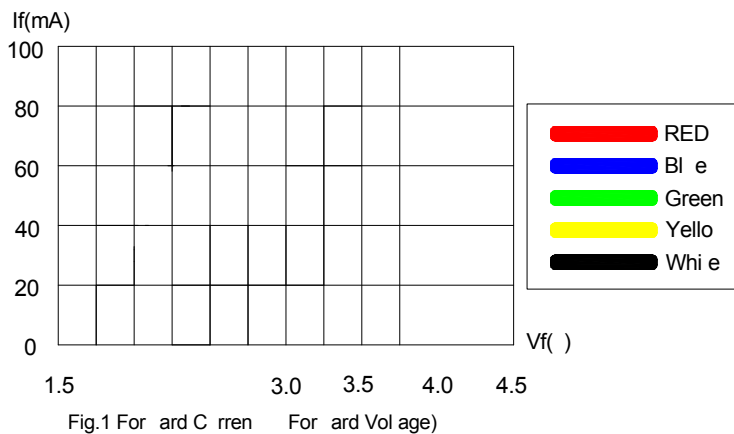


Fig.3 Relative Luminous Intensity vs Ambient Temperature

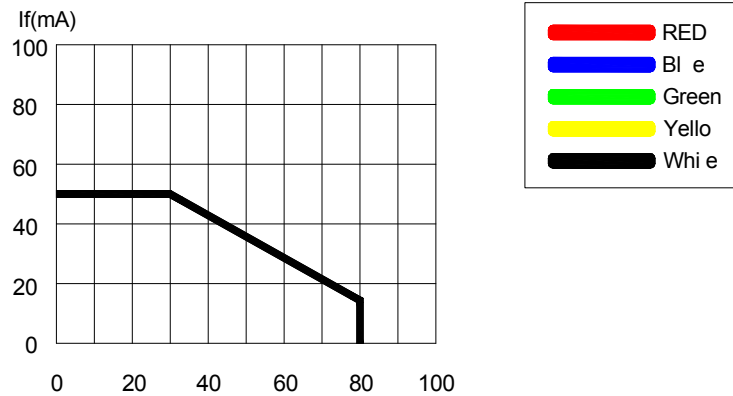
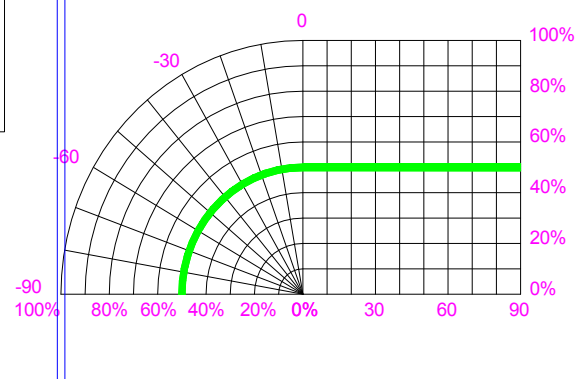


Fig.5 Maximum Forward Current vs Ambient Temperature

Fig.4 Relative Luminous Intensity vs Wavelength

Directional Characteristics





1	Tin-plated e	Temp 260 5	5 ecd.	76 PCS	0/1
2	Back & forth e under high & low temp a in er al	High emp. +85 30min o 5min o -55 30min	50 bo	76 PCS	0/1
3	Heat po nding e	High emp. +100 30min To 10 ec o -10 30min	50 bo	76 PCS	0/1
4	High orage emp.	Tempera re 100	1000 Hr.	76 PCS	0/1
5	Lo orage emp.	-55	1000 Hr.	76 PCS	0/1
6	Life pan e	VF=1.9V IF=20mA	1000 Hr.	76 PCS	0/1
7	Te under high emp.& high H midi	85 /85%RH	1000 Hr.	76 PCS	0/1

i Iron Soldering: The Iron (max 30W) end tempera re le han 300 , oldering ime 3 econd , oldering po i ion minim 2mm from bod .

ii Dip Soldering: Ma empera re i 260 , ime 5, he po i ion i minim 2mm from bod .

i Bracke m be ben onl if 2mm from colloid.

ii Bracke mo ld m be fini hed b fi re or profe ional .

iii Bracke mo ld m be fini hed before oldering.

i Bracke mo ld ho ld a re he con i en be een he pin, he di ance gap of lead and he circ i board.

i. I ho ld be pa a en ion o he ordering of all he de ice in ca e of rong polari . De ice can be oo clo e o he hea componen , orking condi ion can rpa he limi .

ii. I ho ld no a emble LED hen he lead are deformed.

iii. When decide o a emble in hole , acc ra el acco n he i e of hole and hole di ance of he line ba e

i. S gge ing g ard hea h po i ioning

i. I ho ld a oid an kind of q ake or force on LED, before he oldering empera re re rn normal.

I ho ld be er ca io . When clean he bod i h chemical . Some chemical ma bring damage o he rface, and bring color fading, ch a , Trichloroe h lene, Ace one. Sho ld e e hanol o ipe, dip for no more han 3 min e nder he normal empera re.

