Wen Li	Fang Yang	Jiang Yang	Fang Wang

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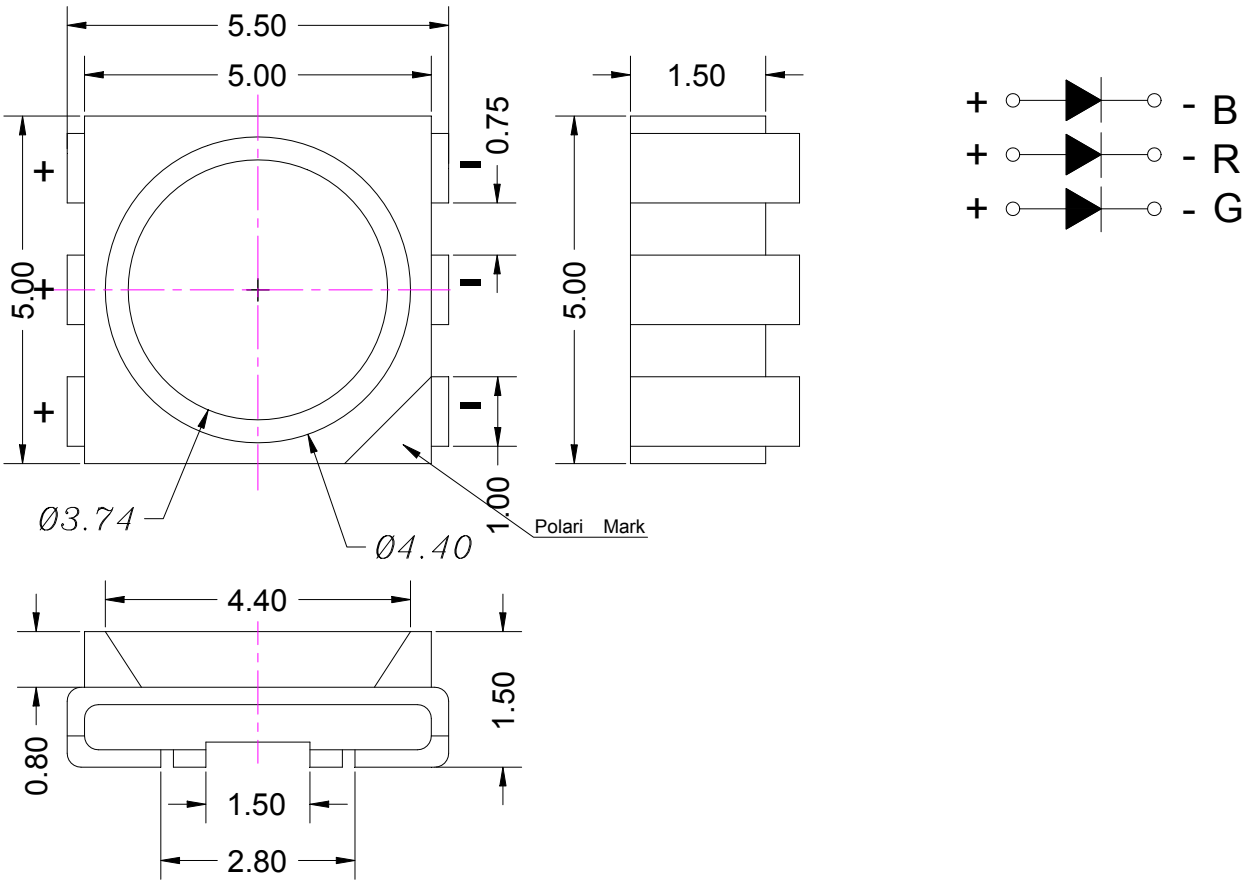
Tolerance: 0.25(0.01)



Uni mm

Color RGB

Len -color Wa er clear

Emi ing Ma erial InGaN

Dra ing b oli a ion

3 Charac eri ic

For ard c rren	If	30	mA
Re er e ol age	Vr	5	V
Po er di ipa ion	Pd	110	mW
Opera ing empera re range	Top	-25 +80	C
S orage empera re range	T g	-30 +80	C
Peak p l ing c rren 1/8 d f=1KH	Ifp	125	mA

Wa eleng h a peak emi ion (R)	If=20mA	peak	620	625	630	nm
Wa eleng h a peak emi ion (G)			515	520	525	
Wa eleng h a peak emi ion (B)			460	465	470	
Spec ral half band id h	If=20mA			10		
For ard ol age (R)	If=20mA	Vf	1.8	2.0	2.4	V
For ard ol age (G)			3.0	3.3	3.6	
For ard ol age (B)			3.0	3.3	3.6	
L mino in en i (R)	If=20mA	I	800	1000	1200	mcd
L mino in en i (G)			3000	3500	4000	
L mino in en i (B)			400	500	600	
Vie ing angle a 50% IV	If=10mA		--	120	--	Deg
Re er e c rren	Vr=5V	Ir	--	--	5	A

/

U ef l life	-	IF=20mA	100000			H

T pical Elec rical/Op ical Chara eri ic C r e
(Ta=25 Unle O her i e No ed)

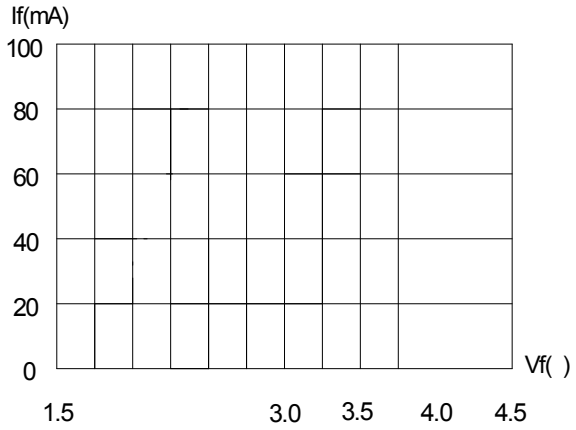


Fig.1 For ard C rren For ard Vol age)

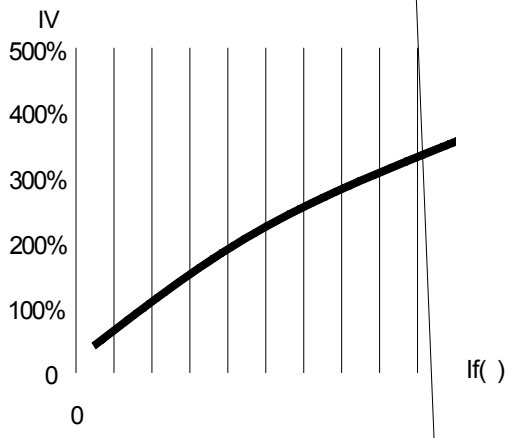


Fig.2 Rela i e L mino In en i

2

H

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

ii Dip Soldering: Ma emperpa 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 he 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 o he de ice in ca e of rong po . De ice can b clo e o he hea componen , g con can

ii. I ho ld no a ble LED he e lea re deforme

iii. When decide emble in hole acc r acco n i e of i ance he li

. S gge d hea h po ning

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