Wen Li	Fang Yang	Jiang Yang	Fang Wang

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	If=20mA	peak	620	630	635	nm
			515	520	525	
Spec ral half band id h	If=20mA			10		
For ard ol age	If=20mA	Vf	1.8	2.0	2.4	V
			3.0	3.4	3.8	
L mino in en i	If=20mA	I	500	650	800	mcd
			1000	1250	1500	
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)

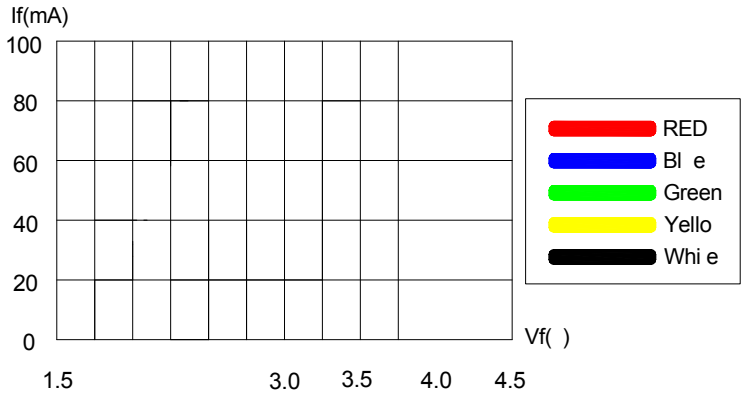


Fig.1 For ard C rren For ard Vol age)

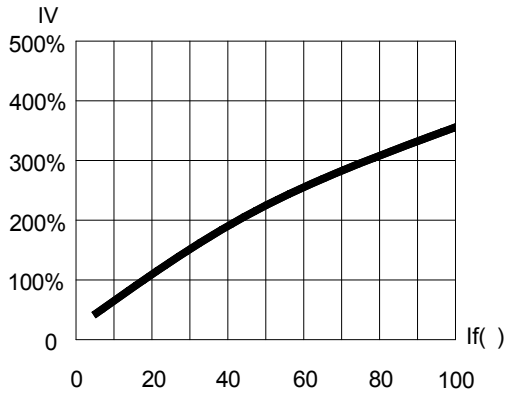


Fig.2 Rela i e L mino In en i For ard Vol age

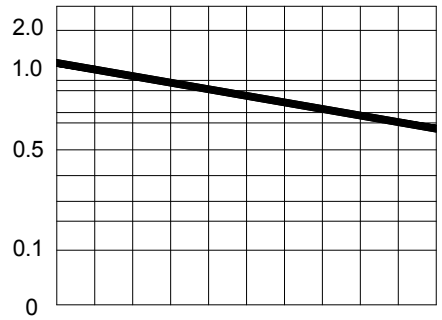


Fig.3 Rela i e L mi io In en i Ambien Tempera re

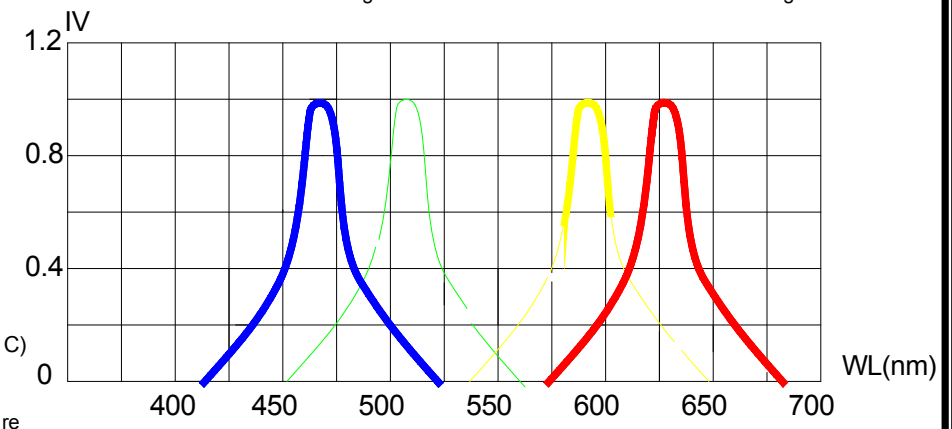


Fig.4 Rela i e L mino In en i Wa eleng h

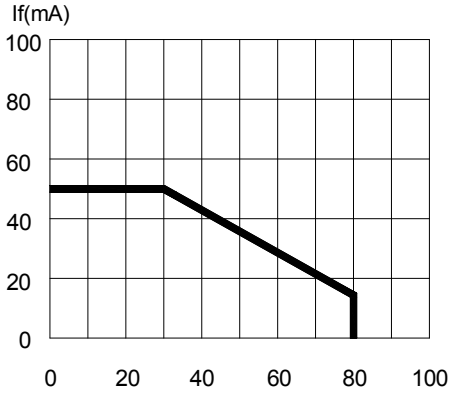
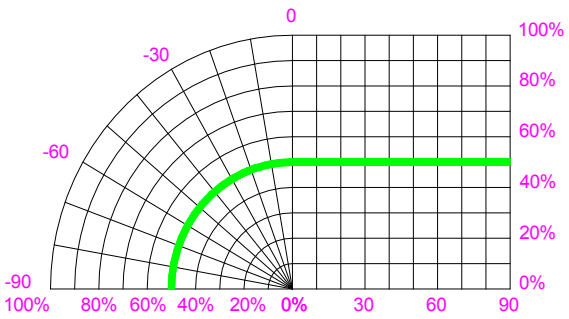


Fig.5 Ma im m For ard C rren Ambien Tempera re

Direc i e Chara eri ic



1	Tin-pla ed e	Temp 260 5	5 ecd.	76 PCS	0/1
2	Back & for h e nder high & lo emp a in er al	High emp. +85 30min o 5min o -55 30min	50 bo	76 PCS	0/1
3	Hea 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 nder high emp.& high H midi	85 /85%RH	1000 Hr.	76 PCS	0/1

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 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 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.