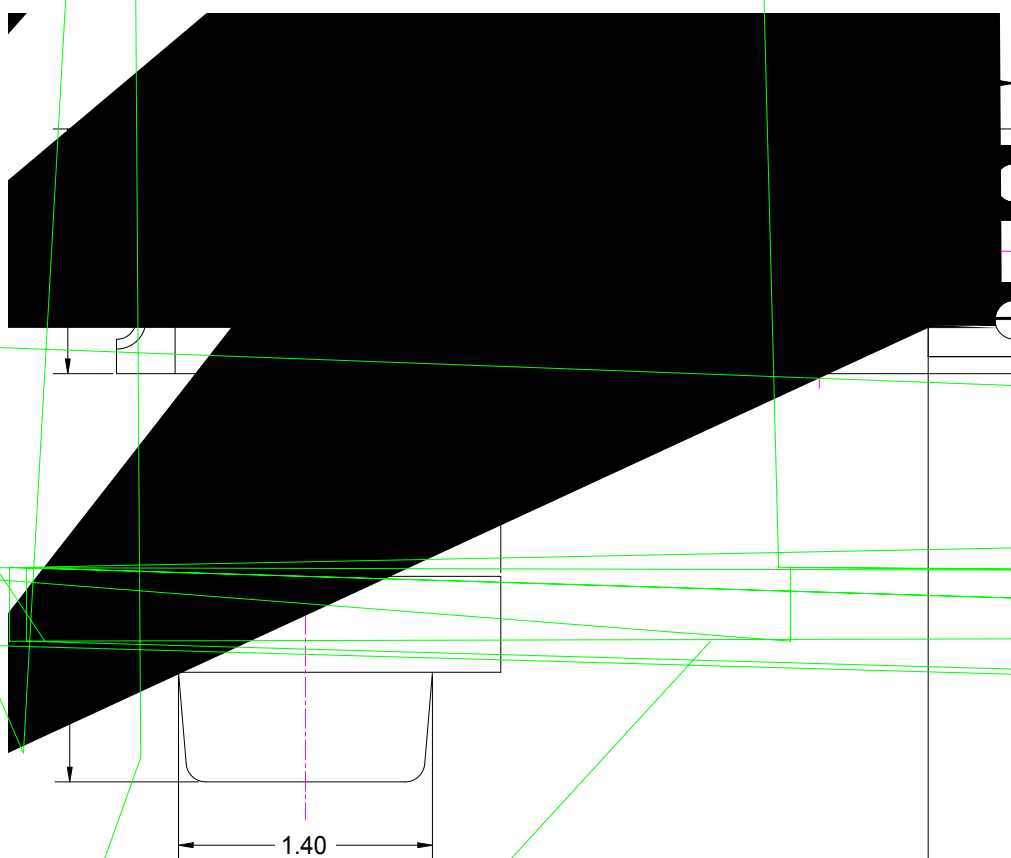




Wen Li	Fang Yang	Jiang Yang	Fang Wang



Tolerance: 0.25(0.01)





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 pulsing current 1/8 d f=1KH	Ifp	125	mA

Wavelength at peak emission	If=20mA	peak	620	625	630	nm
			515	520	525	
			460	465	470	
Spectral half bandwidth	If=20mA			10		
			1.8	2.0	2.4	
Forward voltage	If=20mA	Vf	3.0	3.3	3.6	V
			3.0	3.3	3.6	
			400	550	650	
Luminous intensity	If=20mA	I	800	1100	1300	mcd
			200	250	350	
Viewing angle at 50% IV	If=10mA		--	120	--	Deg



Re er e c rren	Vr=5V	Ir	--	--	5	A
U ef l life	-	IF=20mA	100000			H

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

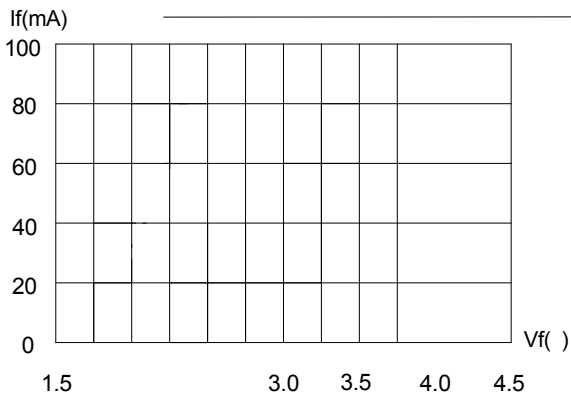


Fig.1 Forward Current vs Forward Voltage

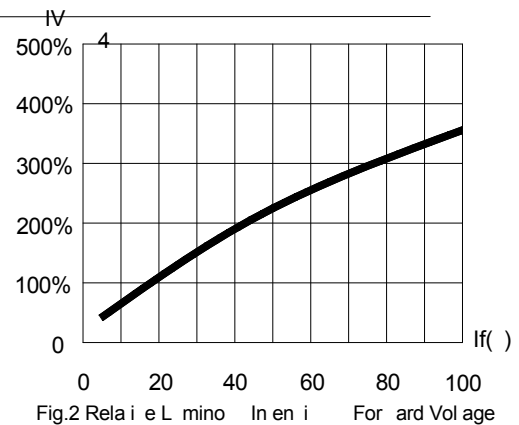


Fig.2 Relative Luminous Intensity vs Forward Voltage

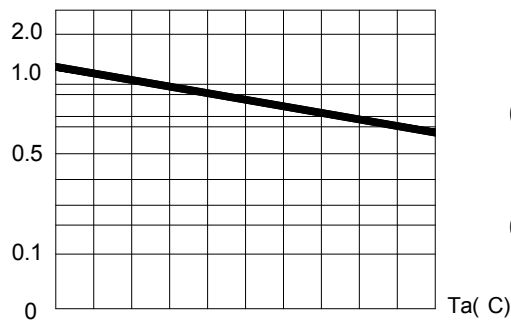


Fig.3 Relative Luminous Intensity vs Ambient Temperature

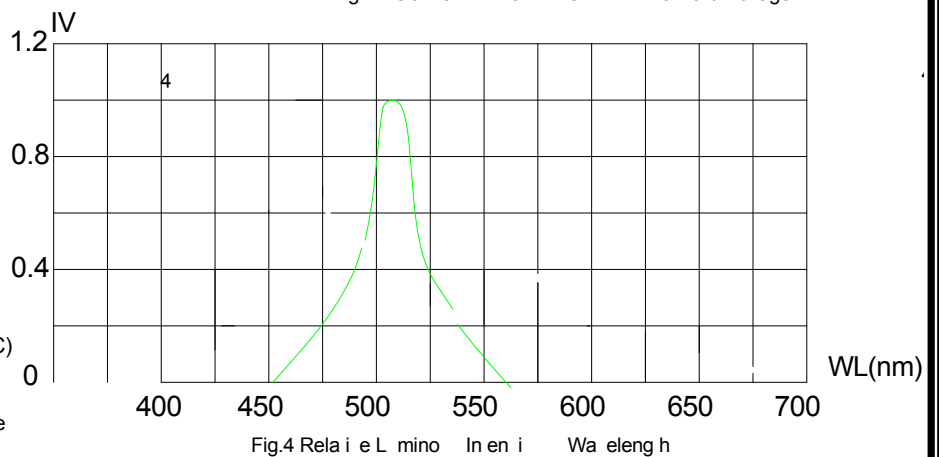


Fig.4 Relative Luminous Intensity vs Wavelength

Direct Electrical Characteristic

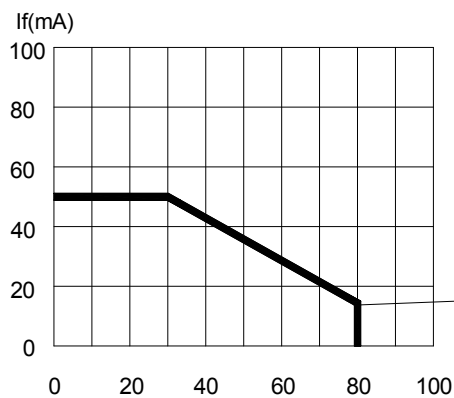
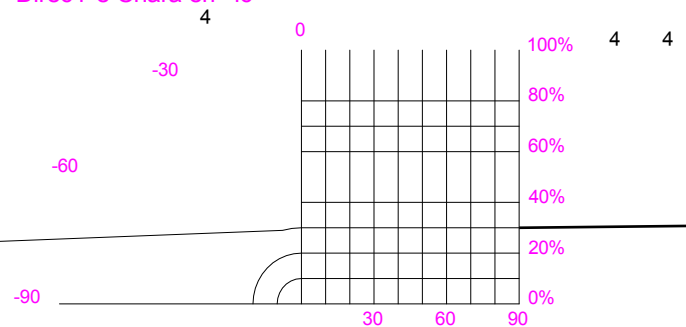
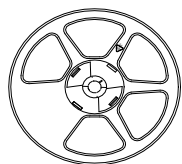
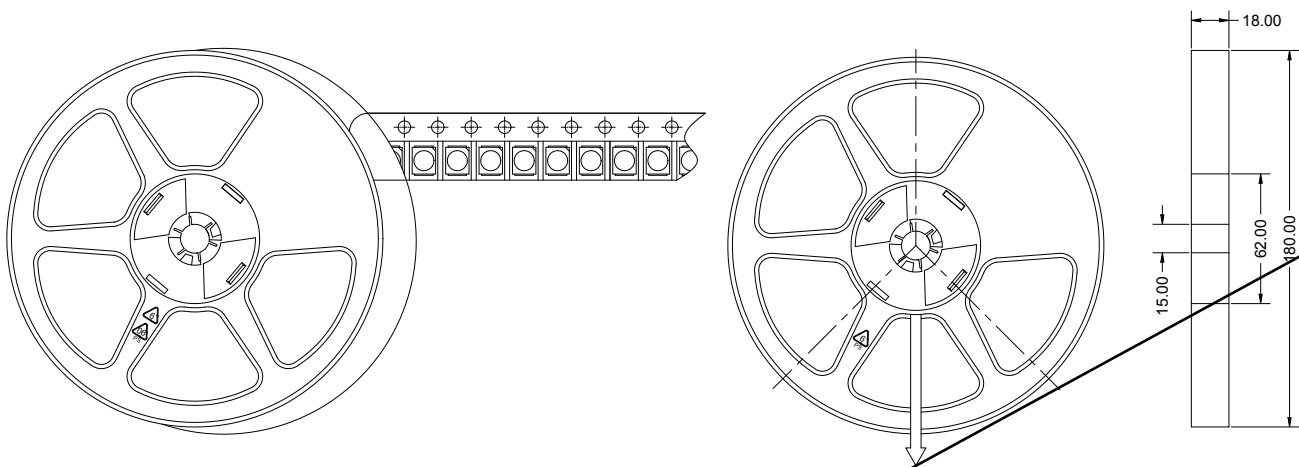


Fig.5 Maximum Forward Current vs Ambient Temperature





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Diameter: 180.0mm
Width: 18mm
SMD0805R 4000pc /Reel
Anti-static Shielding
Black Reel

Anti-static Shielding
1 Reel / Bag (T=0.1mm)

10 Bag / 1 Inner Box
SMD0805R
40,000pc /Inner Box