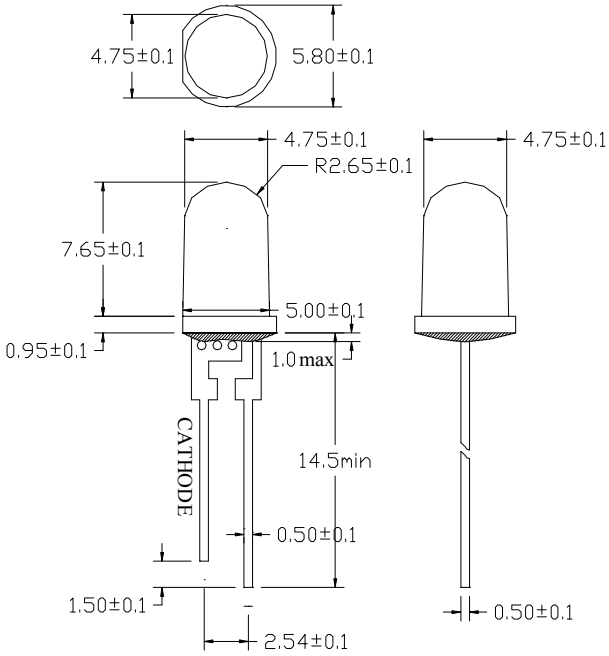
LED SPECIFICATION

Part No.: 05W580EGC





Features:

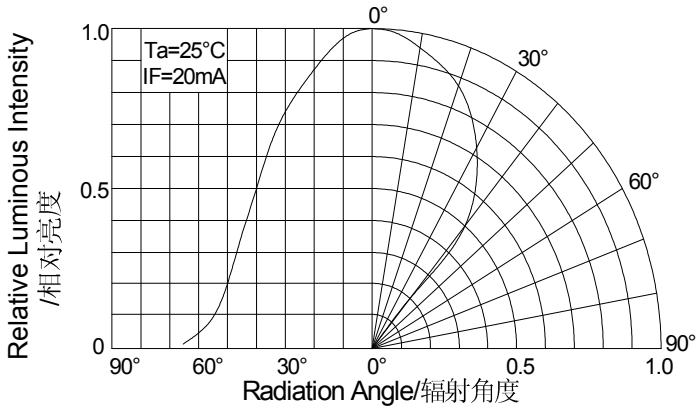
- Single color
- High bright output
- Medium power consumption
- High reliability and long life

Descriptions:

- Dice material: GaInN
- Emitting Color: Super Bright Green
- Device Outline: Φ5mm Round Type
- Lens Type: Water Clear

NOTE:

- All dimensions are millimetres.
- Tolerance is +/-0.25mmunless otherivise noted



Part No.: 05W580EGC

Absolute maximum ratings（Ta = 25℃）

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
Reverse Voltage	V_R	I_R = 30μA	5	--	V
Forward Current	I_F	----	----	100	mA
Power Dissipation	Pd	----	----	0.5	W
Pulse Current	Ipeak	Duty=0.1mS，1kHz	----	200	mA
Operating Temperature	Topr	----	-20	+85	℃
Storage Temperature	Tstr	----	-25	+100	℃

Electrical and optical characteristics （Ta = 25℃）

Parameter	Symbol	Test Condition	Value			Unit
			Min.	Typ.	Max.	
Forward Voltage	V_F	I_F = 100mA	3.4	3.7	4	V
Reverse Current	I_R	V_R = 5V	----	----	30	μA
Luminous Flux	Φ_v	I_F = 100mA	7.8		13	lm
Color Temperature	CCT	I_F = 100mA	----	----	----	K
Viewing Angle	$2\theta_{1/2}$	I_F = 100mA	70		90	Deg.

Luminous Flux Bins（Ta = 25℃） Unit:lm

Bin	L	M	N	AE	AF
Min	4.7	6.0	7.8	10.0	13.0
Max	6.0	7.8	10.0	13.0	17.0

Part No.：05W580EGC

Typical electrical/optical characteristic curves：

Fig.1 正向电流 Vs. 正向电压

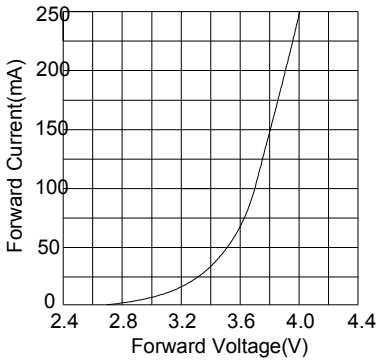


Fig.2 相对亮度 Vs. 正向电流

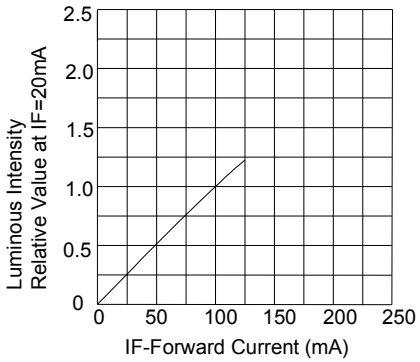


Fig.3 正向电流 Vs. 环境温度

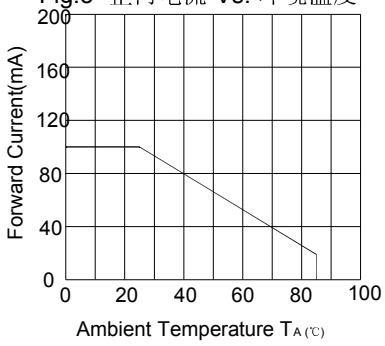


Fig.4 相对亮度 Vs. 环境温度

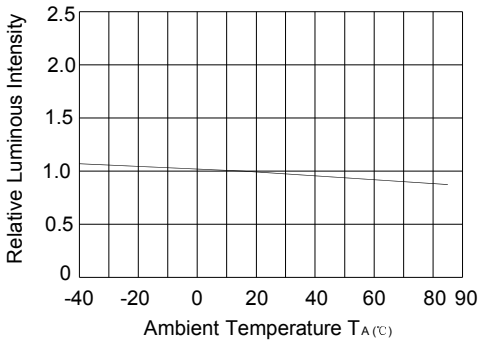


Fig.5 相对亮度 Vs. 波长

