

ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

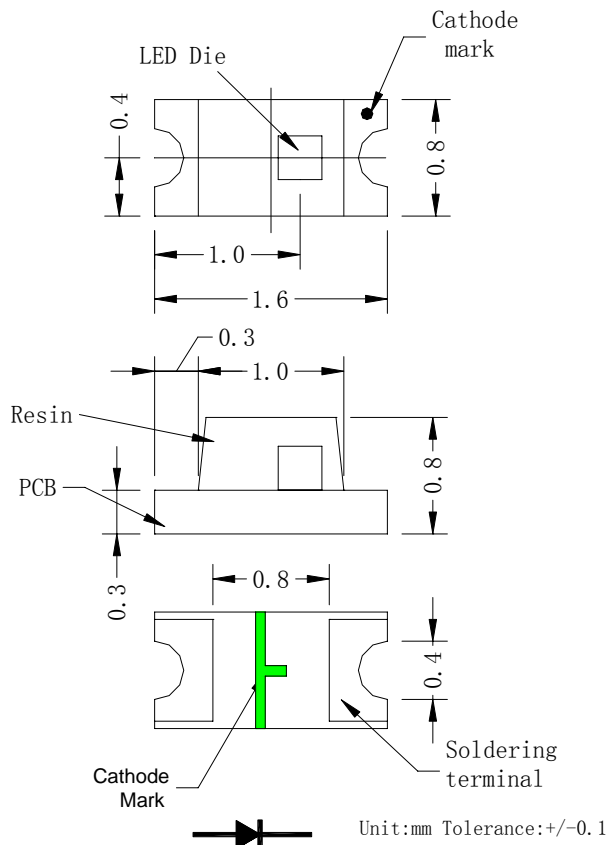
1、Features/特征:

- Emitting Color/发光颜色: Yellow/黄色
- Lens Type/封装特性: Water Clear/无色透明
- Device Outline/外形特征: 1.6×0.8×0.8mm
- RoHS compliant/符合 RoHS 标准

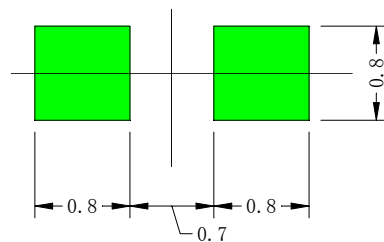
2、Applications/应用:

- Backlight for Mobile, Machine Vision, LCD Display/手机、电话、显示屏背光源
- Backlight in Dashboard and switch of Automotive/汽车仪表盘、记程器背光源

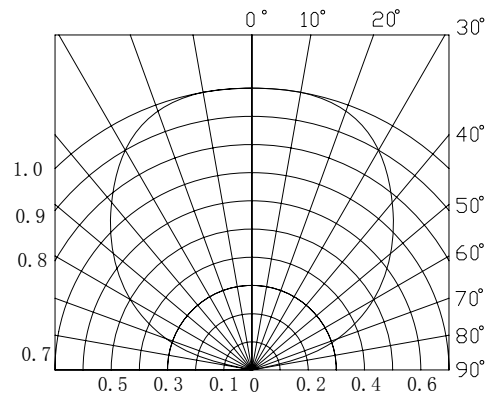
3、Outline Dimensions/产品外形尺寸:

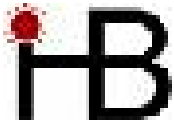


被推荐的回焊焊盘尺寸:



SPATIAL DISTRIBUTION





4、 Absolute maximum ratings/极限参数 (Ta = 25℃)

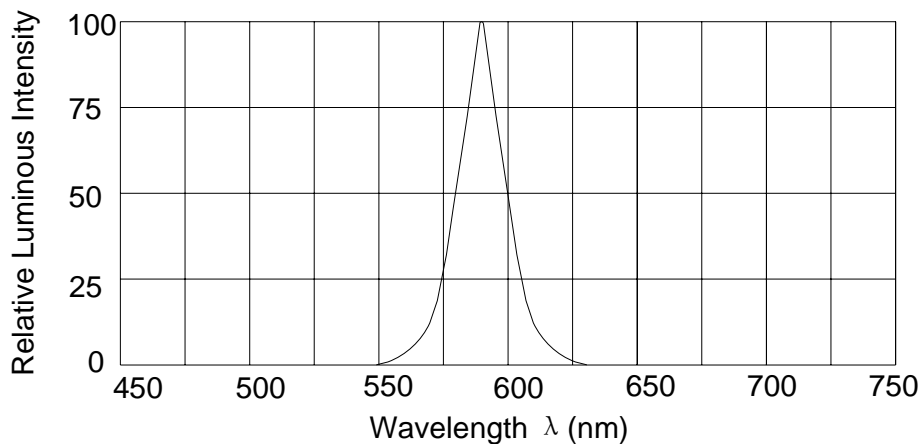
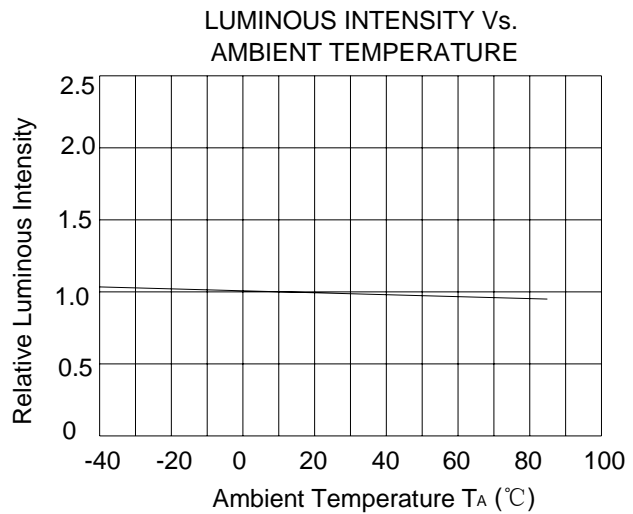
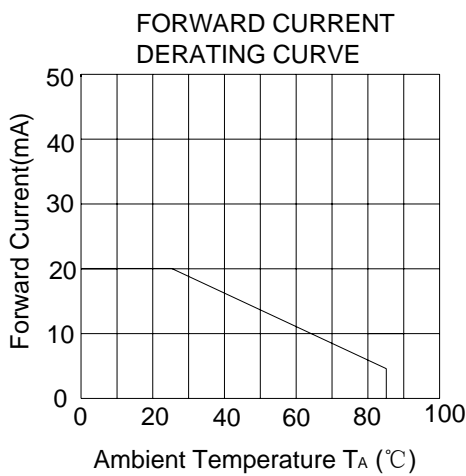
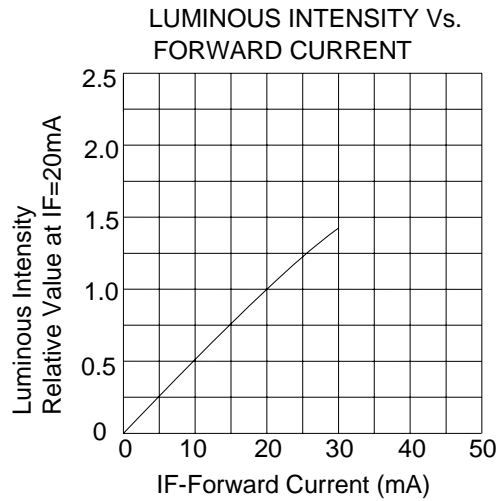
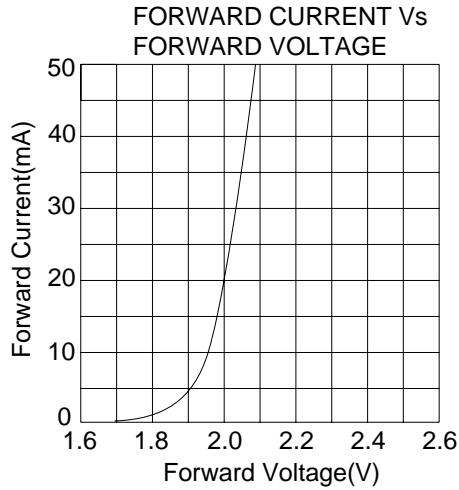
Parameter 参数	Symbol 符号	Test Condition 测试条件	Value 参数		Unit 单位
			Min.	Max.	
Power Dissipation 损耗功率	Pd	—	—	50	mW
Reverse Voltage 反向电压	VR	IR = 30 μ A	5	—	V
Pulse Current 正向峰值电流	IFp	Duty=0.1, 1kHz	—	100	mA
Forward Current 正向工作电流	IFm	—	—	20	mA
Operating Temperature 工作温度范围	Topr	—	-40	+85	℃
Storage Temperature 储存温度范围	Tstr	—	-40	+85	℃

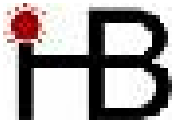
5、 Electrical and optical characteristics/光电参数 (Ta = 25℃)

Parameter 参数	Symbol 符号	Test Condition 测试条件	Value 参数			Unit 单位
			Min.	Typ.	Max.	
Forward Voltage 正向电压	VF	IF =20mA	—	2.0	2.4	V
Reverse Current 反向电流	IR	VR=5V	—	—	30	μ A
Dominate Wavelength 主波长	λ d	IF=20mA	584	589	594	nm
Peak Wavelength 峰值波长	λ p	IF=20mA	—	591	—	nm
Spectral Line half-width 半波宽度	Δ λ	IF=20mA	—	15	—	nm
Luminous Intensity 发光强度	IV	IF=20mA	—	60	—	mcd
Viewing Angle 发光指向角	2 θ 1/2	IF=20mA	—	120	—	Deg.



6、Typical electrical/optical characteristic curves/光电特性曲线:





7、Specifications for Bin Grading/产品分档范围

VF 分级标准

IF=20mA

代码	正向电压范围(V)
V1	1.6-1.8
V2	1.8-2.0
V3	2.0-2.2
V4	2.2-2.4
V5	2.4-2.6
V6	2.6-2.8
V7	2.8-3.0

IV 分档标准

IF=20mA

亮度代码	亮度范围(mcd)	亮度代码	亮度范围(mcd)
A	0-5.0	N	200-280
B	5.0-7.0	P	280-390
C	7.0-9.8	Q	390-550
D	9.8-13.7	R	550-770
E	13.7-19.0	S	770-1100
F	19.0-26.6	T	1100-1520
G	26.6-37.2	U	1520-2130
H	37.2-52.0	V	2130-3000
J	52.0-72.8	W	3000-4180
K	72.8-102	X	4180-5860
L	102-145	Y	5860-8200
M	145-200	Z	8200-12000

Wavelength 分档标准

IF=20mA

YELLO W 黄色	Y1	582-585
	Y2	585-588
	Y3	588-591
	Y4	591-594
	Y5	594-597