

承 認 書

SPECIFICATION FOR APPROVAL

客 戶:

CUSTOMER

品 名: 0805高亮橙光

DESCRIPTION

型 號: HQ-0805UOC

MODEL

日 期: 14. 04. 25

DATE

承 制 方

MANUFACTURER :

使 用 方

USER:

制 表 DRAFTING	審 核 CHECK	核 準 APPROVE
李 丽		

核 準 APPROVE	簽 章

东莞市宏齐光电科技有限公司

TEL: (0769) 87798508***FAX: (0769) 87134135

HQ-0805UOC



Features

2.0mm x 1.25mm SMT LED, 0.8mm thickness

Low power consumption

Wide view angle

Package: 3000pcs/reel

RoHS Compliant



Applications

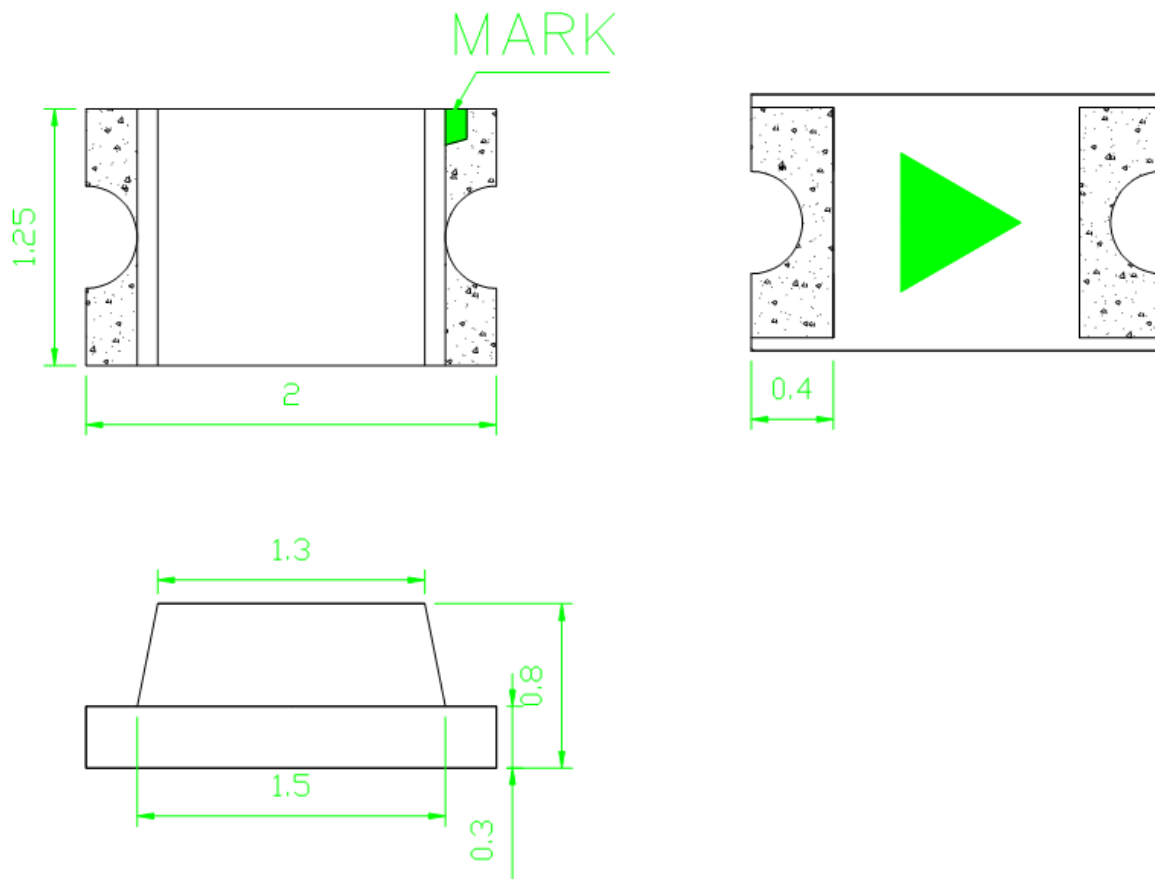
Ideal for back light and indicator

Various colors and lens types available

Device Selection Guide

Part No.	Emitted color	Dice	Lens color
HQ-0805UOC	Orange	AlGaInP	Water transparent

Package outlines



Notes:

1. All dimensions are in millimeters (inches);
2. Tolerances are $\pm 0.1\text{mm}$ (0.004inch) unless otherwise noted.

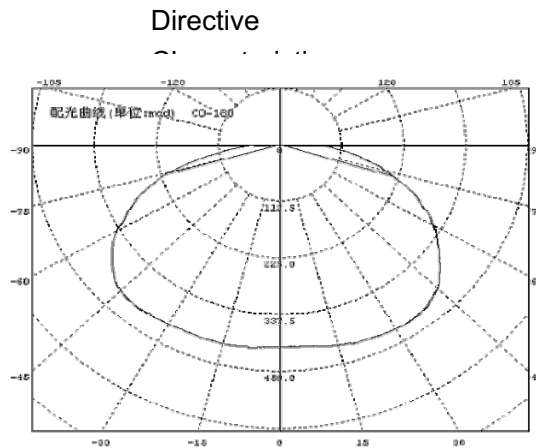
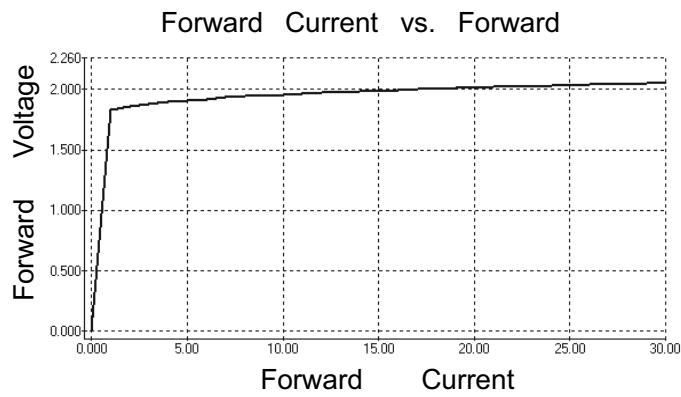
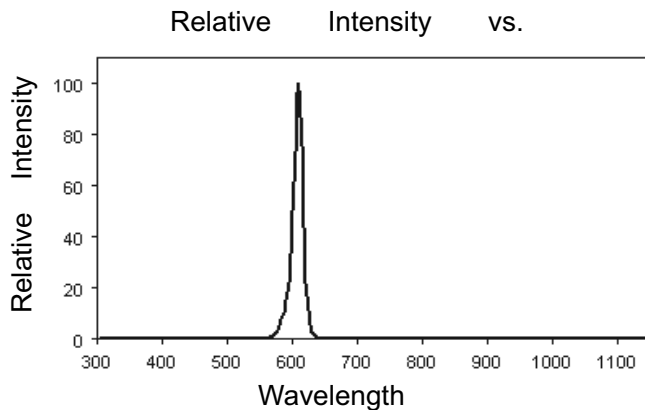
Absolute maximum ratings (TA=25°C)

Parameter	Symbol	Value	Unit
Powerdissipation	Pd	60	mW
Forward current	If	30	mA
Reverse voltage	Vr	5	V
Operating temperature	Top	-40 ~+80	°C
Storage temperature	Tstg	-40 ~+85	°C
Peak pulsing current (1/8 duty f=1kHz)	Ifp	125	mA

Electro-optical characteristics (TA=25°C)

Parameter	Test Condition	Symbol	Value			Unit
			Min	Typ	Max	
Wavelength at peak emission	If=20mA	λ_p	--	610	--	nm
Spectral half bandwidth	If=20mA	$\Delta \lambda$	--	15	--	nm
Dominant wavelength	If=20mA	λ_d	600	--	610	nm
Forwardvoltage	If=20mA	Vf	1.8	--	2.4	V
Luminousintensity	If=20mA	Iv	50	60	--	mcd
Viewing angle at 50% Iv	If=10mA	$2\theta_{1/2}$	--	120	--	Deg
Reverse current	Vr=5V	Ir	--	--	10	μA

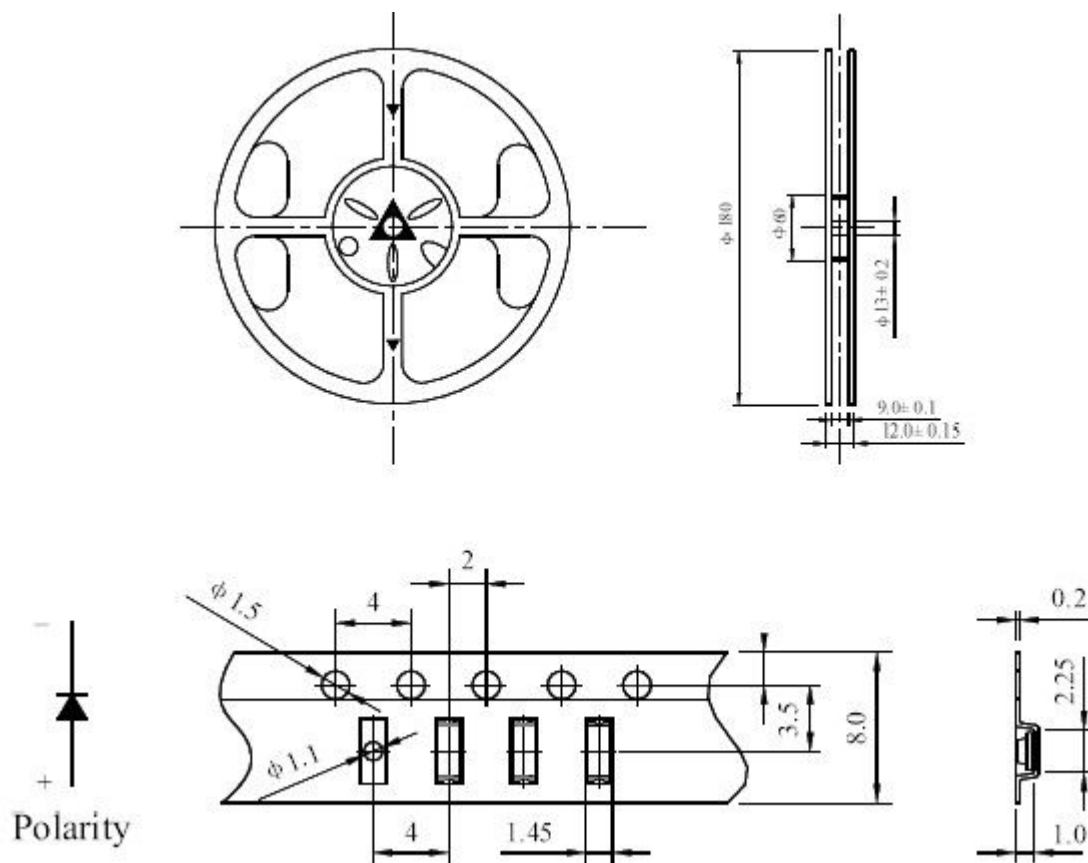
Optical characteristic curves(Orange)



Test items and results of reliability

Type	Test Item	Test Conditions	Note	Number of Damaged
Environmental Sequence	Temperature Cycle	-20°C 30min ↑ ↓ 80°C 30min	100 cycle	0/22
	Thermal Shock	-20°C 15min ↑ ↓ 80°C 15min	100 cycle	0/22
	High Humidity Heat Cycle	30°C ⇔ 65°C 90%RH 24hrs/1cycle	10 cycle	0/22
	High Temperature Storage	Ta=80°C	1000 hrs	0/22
	Humidity Heat Storage	Ta=60°C RH=90%	1000 hrs	0/22
	Low Temperature Storage	Ta=-30°C	1000 hrs	0/22
Operation Sequence	Life Test	Ta=25°C IF=20mA	1000 hrs	0/22
	High Humidity Heat Life Test	60°C RH=90% IF=10mA	500 hrs	0/22
	Low Temperature Life Test	Ta=-20°C IF=20mA	1000 hrs	0/22

包装数量: 3000 pcs/卷



6、包装方式: (单位: mm)

