

ELECTRICAL OPTICAL CHARACTERISTICS (Ta=25°C)

Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Forward Voltage	V _F	-	2.1	2.4	V	IF=20mA
Luminous Intensity	I _v	9.8	25	-	mcd	IF=20mA
Peak Wavelength	λ _p		589		nm	IF=20mA
Spectral Line half-width	Δλ		35		nm	IF=20mA
Reverse Leakage Current	I _R			50	μA	VR=5V
Viewing Angle	2θ _{1/2}		140		Deg	IF=20mA

ABSOLUTE MAXIMUM PARAMETERS (Ta=25°C)

Parameter	Symbol	Condition	Rating	Unit
Power Dissipation	P _D	---	80	mW
Reverse Voltage	V _R	IR=50 μ A	5	V
Forward Average Current	I _F	---	30	mA
Temperature coefficient	I/C	---	0.4	mA/ °C
Pulse Current	IFP	Duty=1/10,1kHz	100	mA
Operating Temperature Range	Topr	---	-25 ~ +85	°C
Storage Temperature Range	Tstg	---	-30 ~ +100	°C
Soldering Condition	Tsd	---	265°C/5sec	°C

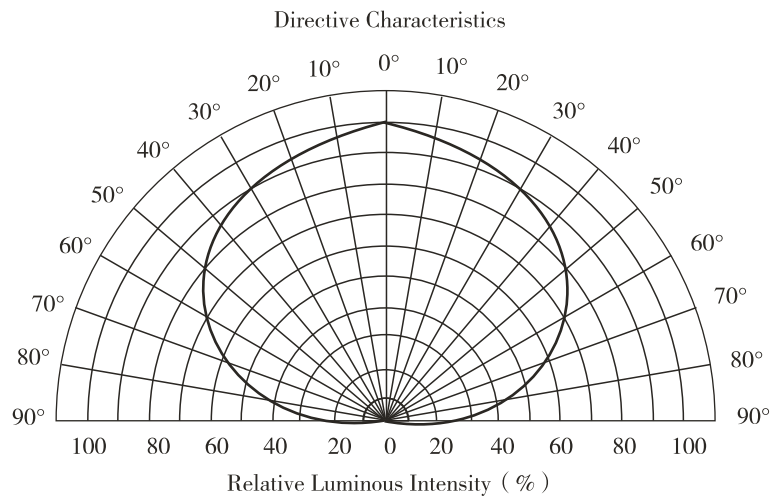
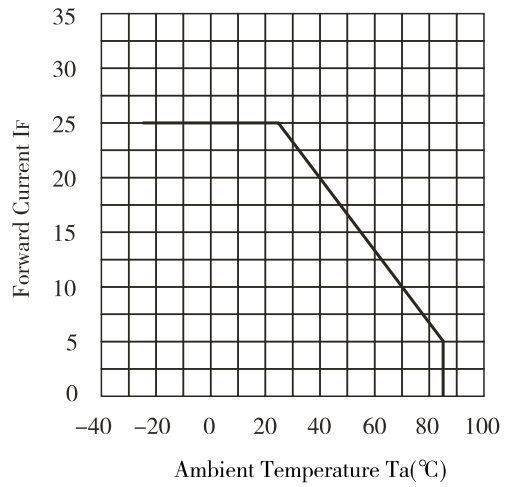
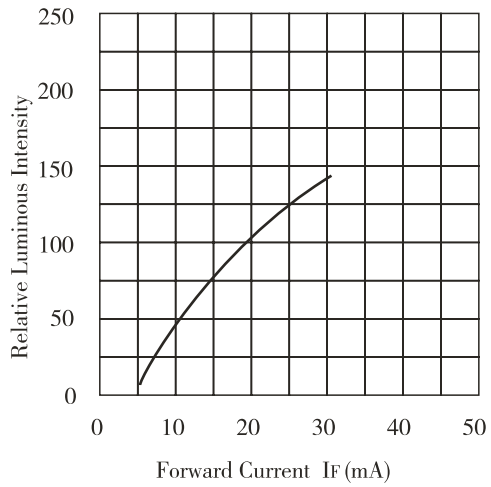
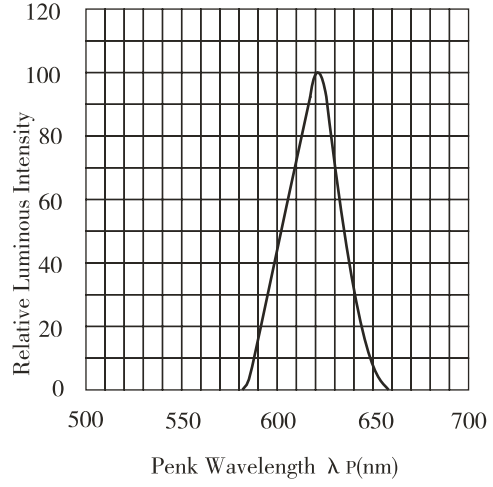
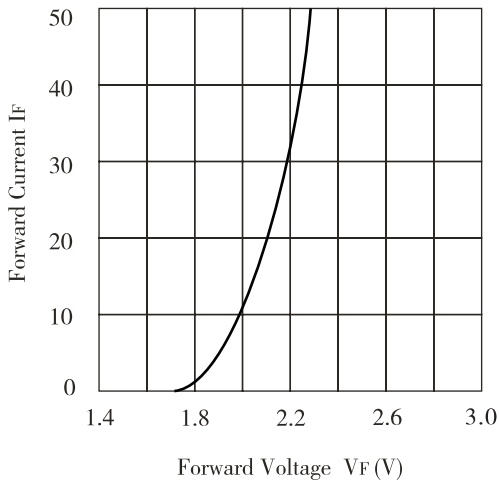
NOTE:

Luminous Intensity Measurement allowance is ± 10%.

2θ_{1/2} is the off-axis angle at which the luminous intensity is half the axial luminous intensity.

The dominant wavelength is derivd from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

TYPICAL ELECTRO-OPTICAL CHARACTERISTIC CURVES ($T_a=25^\circ\text{C}$)



Package

Item	Inner packaging bag	Inner packaging box
Material	Antistatic bag	Single corrugated box
Quantity	1000PCS	Single corrugated box × 8 =8000PCS
Marking	Label Marking: Type、Quantity	Certificate of conformity Marking: Product name 、 Type、Quantity、 Date of manufacture
Size	16×23(cm)	30×19 ×11.5(cm)