LED SPECIFICATION

530JPKC

ATTENTION
OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

➢ Features

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

➢ Descriptions：

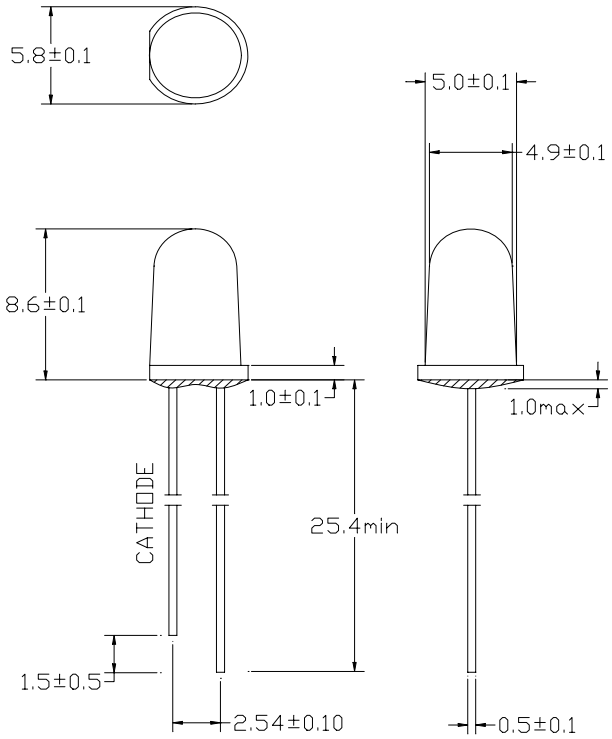
- Dice material：InGaN
- Emitting Color：

  Super Bright Pink (Blue+ Red)

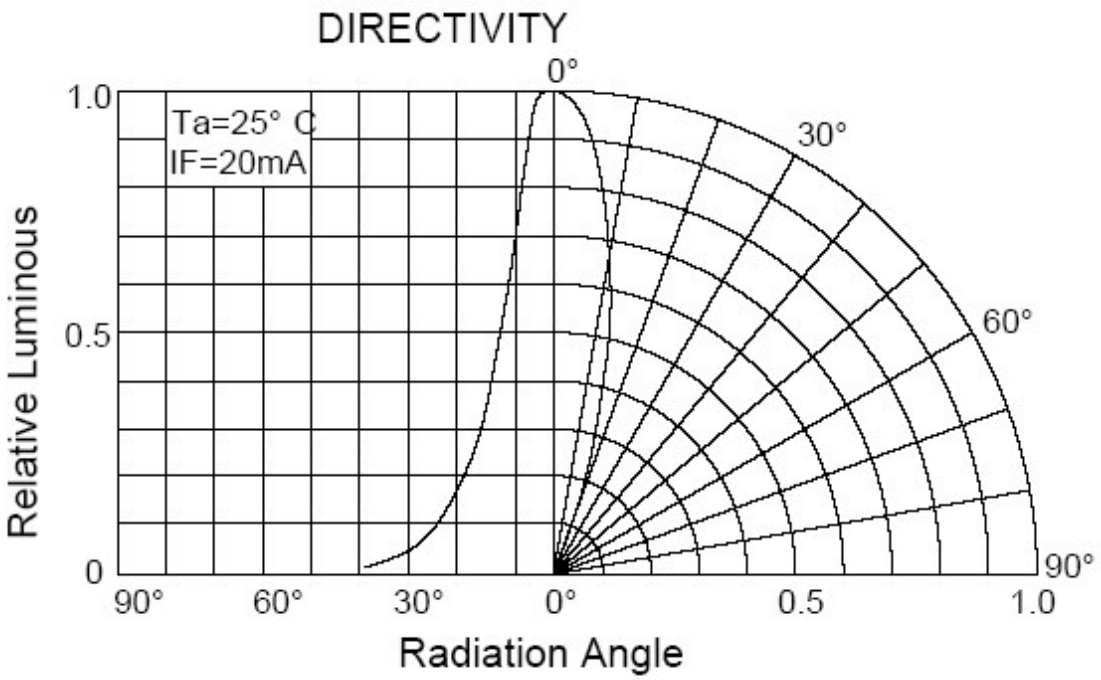
- Device Outline：

  Φ5mm Round Type/ 5mm

- Lens Type：



1. All dimensions are millimeters
2. Tolerance is +/-0.25mm unless otherwise noted



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	----	----	30	mA
Power Dissipation	Pd	----	----	75	mW
Pulse Current	Ipeak	Duty=0.1mS，1kHz	----	100	mA
Operating Temperature	Topr	----	-40	+85	℃
Storage Temperature	Tstr	----	-40	+100	℃

Electrical and optical characteristics （Ta = 25℃）

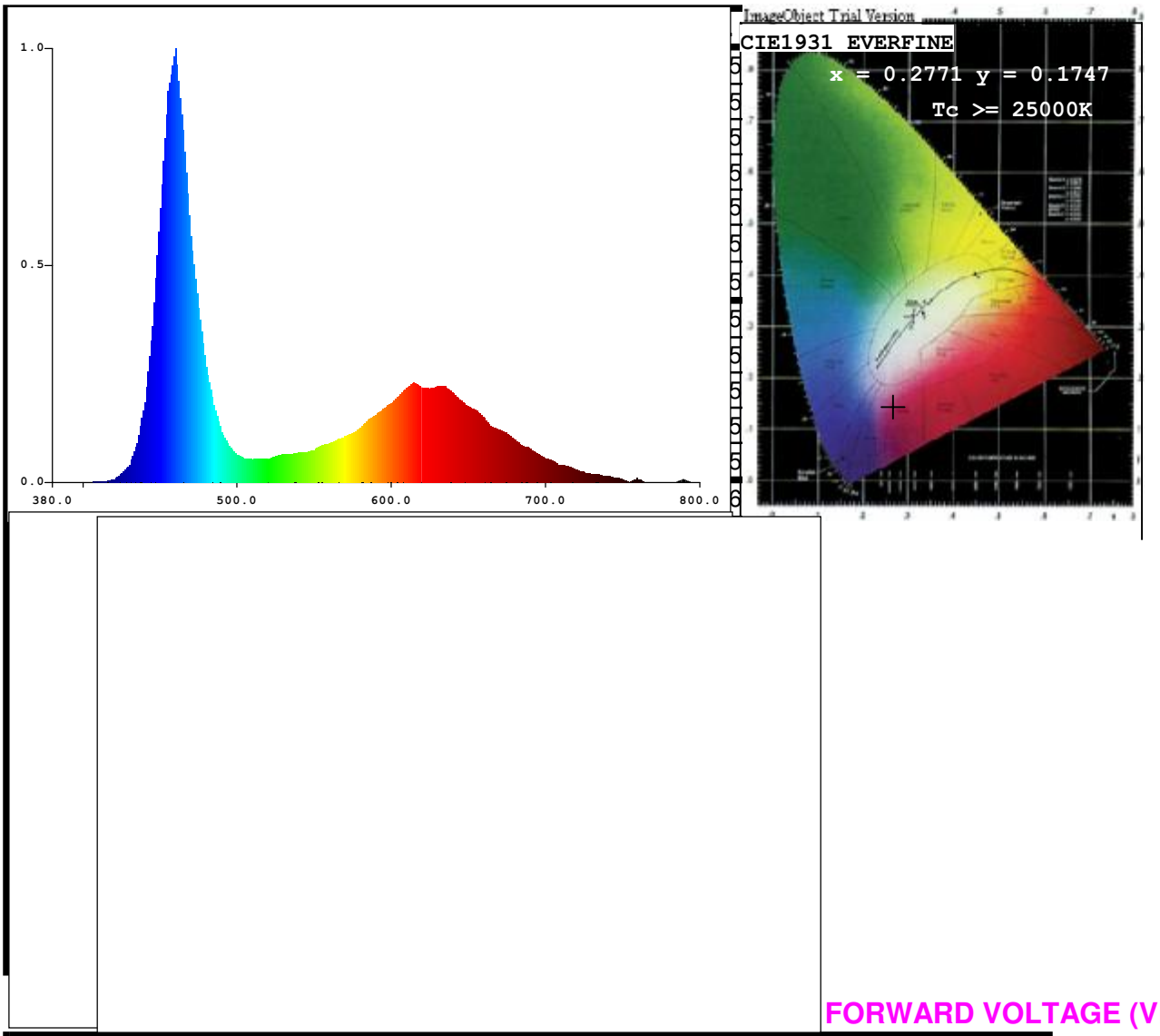
Parameter	Symbol	Test Condition	Value			Unit
			Min.	Typ.	Max.	
Forward Voltage	V_F	I_F = 20mA		V7~V9		
Reverse Current	I_R	V_R = 5V	----	----	30	μA
Dominate Wavelength	λ_d	I_F = 20mA		470+630		
Spectral Line half-width	$\Delta\lambda$	I_F = 20mA	----	20	----	nm
Luminous Intensity	Iv	I_F = 20mA		V,W		
Viewing Angle	$2\theta 1/2$	I_F = 20mA	24		30	Deg.

BIN ranking for LEDs

BRIGHTNESS BIN

Bin Code	IV(mcd)	Bin Code	IV(mcd)	Bin Code	IV(mcd)	Bin Code	IV(mcd)
A	0-5.0	H	37.2-52.0	Q	390-550	X	4180--5860
B	5.0-7.0	J	52.0-72.8	R	550-770	Y	5860-8200
C	7.0-9.8	K	72.8-102	S	770-1100	Z1	8-10cd
D	9.8-13.7	L	102-145	T	1100-1520	Z2	10-12cd
E	13.7-19.0	M	145-200	U	1520-2130	Z3	12-14cd
F	19.0-26.6	N	200-280	V	2130-3000	Z4	14-16cd
G	26.6-37.2	P	280-390	W	3000-4180	Z5	16-18cd

Light Source Test Report



FORWARD VOLTAGE (VF) BIN

Bin Code	VF (V)	Bin Code	VF (V)	Bin Code	VF (V)	Bin Code	VF (V)
V1	1.6-1.8	V5	2.4-2.6	V9	3.2-3.4	V13	4.0-4.2
V2	1.8-2.0	V6	2.6-2.8	V10	3.4-3.6	V14	4.2-4.4
V3	2.0-2.2	V7	2.8-3.0	V11	3.6-3.8	V15	4.4-4.6
V4	2.2-2.4	V8	3.0-3.2	V12	3.8-4.0	V16	4.6-4.8