

# SPECIFICATIONS FOR HANGKE **RED** LED

## 杭科Φ5食人鱼红色LED产品规格书



Model: HKF51URCT

HangZhou HangKe Optoelectronics Co.,LTD.

[Http://www.hkled.com](http://www.hkled.com) 杭科光电



## 1. SPECIFICATIONS

### (1) Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Absolute Maximum Rating	Unit
Forward Current	I <sub>F</sub>	20	mA
Pulse Forward Current	I <sub>FP</sub>	100	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	60	mW
Operating Temperature	T <sub>opr</sub>	-30 ~ +85	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +100	°C
Soldering Temperature	T <sub>sld</sub>	265°C for 3sec.	

IFP Conditions : Pulse Width 10msec. and Duty 0.1

### (2) Initial Electrical/Optical Characteristics

(Ta=25°C)

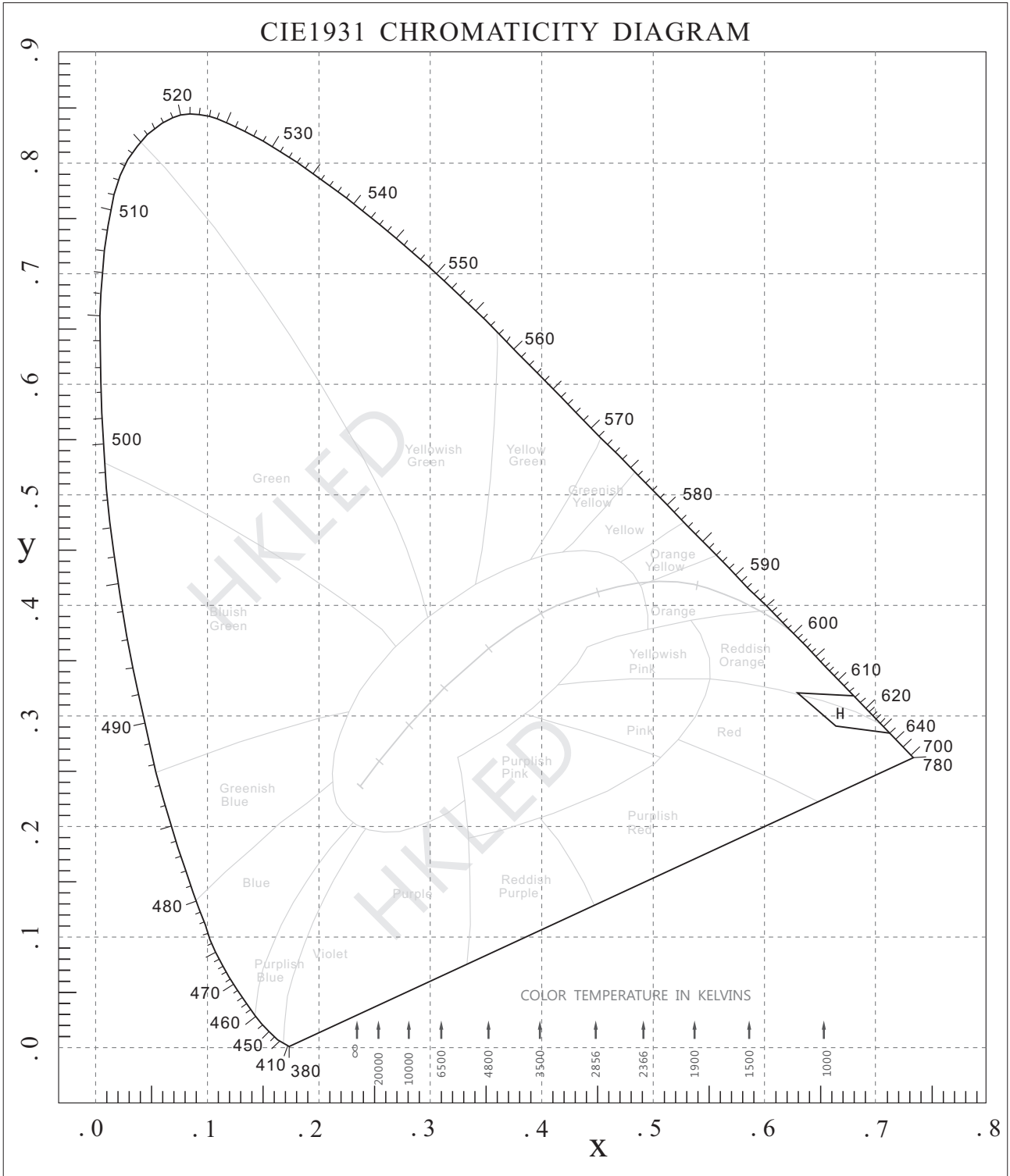
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20[mA]	—	2.0	—	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5[V]	—	—	10	μA
Luminous Flux	φ <sub>v</sub>	I <sub>F</sub> =20[mA]	—	1.8	—	lm
Luminous Intensity	I <sub>v</sub>	I <sub>F</sub> =20[mA]	—	1300	—	mcd
Viewing Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =20[mA]	—	80	—	Deg.
Dominant Wavelength	λ <sub>D</sub>	I <sub>F</sub> =20[mA]	—	620	—	nm



◆ Color Rank (Red)

H	x	0.680	0.714	0.666	0.630
	y	0.320	0.286	0.290	0.320

$\lambda_D$  (615nm~635nm)



Color Coordinates Measurement allowance is  $\pm 0.01$



## 2. TYPICAL INITIAL OPTICAL/ELECTRICAL CHARACTERISTICS

