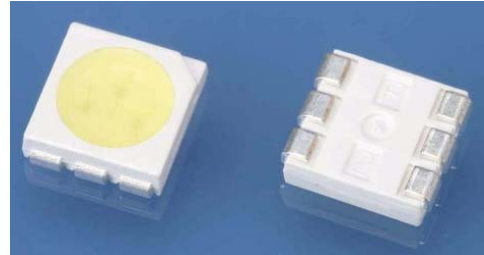


HS-TF-5050UWWC

◆ Features:

- 5.0mm×5.0mm SMT LED, 1.6mm thickness
- PLCC-6 package
- White package
- Suitable for all SMT assembly and solder process
- Available on tape and reel



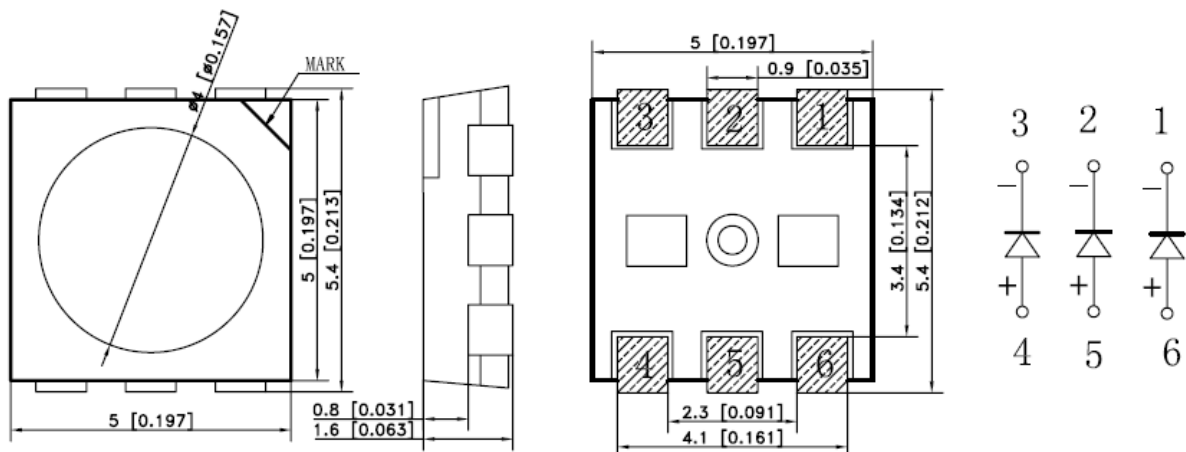
◆ Description

The Warm White source color devices are made with InGaN on sapphire Light Emitting Diode.

◆ Application

- Optical indicator
- Indicator and backlighting in telephone and fax
- Flat backlight for LCD, switch and symbol
- Light pipe application
- General use

◆ Package Dimensions



NOTES:

1. All dimensions are in millimeter[unit];
2. Tolerance is $\pm 0.2\text{mm}$ (0.008 ") especially other specified;
3. Specifications are subject to change without notice.

HS-TF-5050UWWC

Part No.	Emitted Color	Len's Color	Chip Material
HS-TF-5050UWWC	Warm White	Yellow	InGaN

✧ Absolute Maximum Ratings(Ta=25℃)

Item	Symbol	Maximum	Unit
Power Dissipation	PD	330	mW
Continuous Forward Current	I _{Fmax}	90	mA
Peak Forward Current(1/10 Duty Cycle 0.1ms Pulse Width)	I _{FP}	100	mA
Peverse Voltage	V _R	5	V
Operating Temperature Range	T _{opr}	-40 to+85	25℃
Storage Temperature Range	T _{stg}	-40 to+85	25℃

✧ Electrical/Optical Characteristics(Ta=25℃)

Item	Symbol	Condition	Min.	Typ.	Max	Unit
Forward Voltage	V _F	I _F =60mA	2.9	3.2	3.5	V
Luminous Intensity	I _V	I _F =60mA	4200	5400	6500	mcd
Luminous Flux	Φ	I _F =60mA	11.5	15.8	20.2	lm
Typical Correlated Color Temperature	T _c	I _F =60mA	2500	3000	3500	K
Chromaticity Coordinates	X	I _F =60mA	--	0.45	--	--
	Y	I _F =60mA	--	0.43	--	--
Viewing Angle	2θ _{1/2}	I _F =60mA	--	120	--	Deg
Capacitance	C	V _F =0V, f=1MHZ	--	100	--	pF
Reverse Current	I _R	V _R =5V	--	5	10	uA