

## 0603 Pre-wired Chip LED KIT

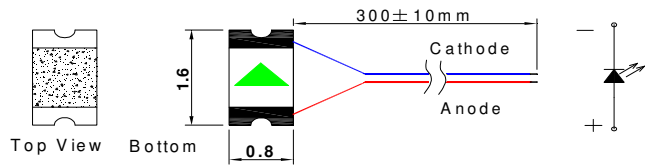
Item No.: OKLEDC60306C



### ■ Description

- LED Kit includes pre-wired 0603 Chip LEDs
- 30pcs are supplied in a storage box
- Easy to use and storage
- Widely applied to DIY projects
- Can be easily wired to any model boat, train, spaceship etc.

### ■ Outline Dimension



Notes: 1. All dimensions are in millimeters ;  
2. Tolerance is  $\pm 0.10$  mm unless otherwise noted.

### ■ Features

- 1.6\*0.8mm 120° chip LED with wire
- Dia.0.25mm electric wire, length 300±10mm
- Red/Yellow/Orange/Blue/Pure Green/Cool White

30pcs/Box (Dimensions: 67\*49\*23mm)



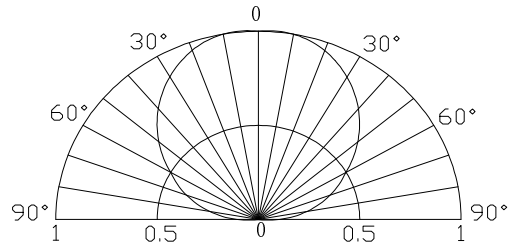
### ■ Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		B/G/W	R/Y/O	
DC Forward Current	I <sub>F</sub>	20	20	mA
Pulse Forward Current#	I <sub>FP</sub>	100	100	mA
Reverse Voltage	V <sub>R</sub>	5	5	V
Power Dissipation	P <sub>D</sub>	102	72	mW
Operating Temperature	Topr	-30 ~ +85		°C
Storage Temperature	Tstg	-40 ~ +100		°C
Lead Soldering Temperature	Tsol	260°C/5sec		-

#Pulse width Max.10ms Duty ratio max 1/10

### ■ Directivity



### ■ Electrical -Optical Characteristics

(Ta=25°C)

0603 Prewired Chip LED	Red	Yellow	Orange	Blue	Pure Green	Cool White
LED P/N	OSR50603-W30	OSY50603-W30	OSO50603-W30	OSB50603-W30	OSG50603-W30	OSW50603-W30
Light Color	Red	Yellow	Orange	Blue	Pure Green	Cool White
Lens Color	Water Clear	Water Clear	Water Clear	Water Clear	Water Clear	Yellow Diffused
Wavelength*1/Color Temperature*2	620-630nm	585-595nm	600-610nm	465-475nm	520-530nm	8500-18000K
Luminous Intensity(typ.)*3	30mcd	30mcd	30mcd	25mcd	160mcd	150mcd
Forward Voltage*4	1.6-2.4V	1.6-2.4V	1.6-2.4V	2.5-3.4V	2.5-3.4V	2.5-3.4V
Forward Current	5mA	5mA	5mA	5mA	5mA	5mA
Viewing Angle(typ.)	120°	120°	120°	120°	120°	120°
Wire Length(mm)	300±10	300±10	300±10	300±10	300±10	300±10
Quantity(pcs)/Box	5	5	5	5	5	5

\*1 Tolerance of measurements of dominant wavelength is  $\pm 1$ nm

\*2 Tolerance of measurements of color temperature is  $\pm 10\%$

\*3 Tolerance of measurements of luminous intensity is  $\pm 15\%$

\*4 Tolerance of measurements of forward voltage is  $\pm 0.1$ V