

# 0603 Chip LED KIT

Item No.: OKLEDC61206D



## ■Description

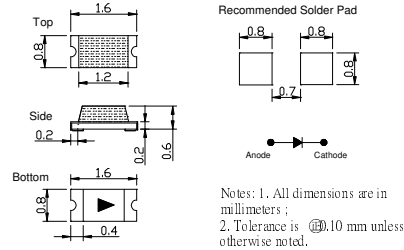
- 120pcs standard 0603 Chip LED are supplied in a storage box
- Easy to use and storage
- Widely applied to DIY projects, school science experiments, car decorations, etc.

## ■Features

- 1.6\*0.8\*0.6mm standard 120° directivity
- Red/Yellow/Pure Green/Blue/Warm White/Pure White
- Water clear/Yellow diffused

## ■Outline Dimension

120pcs/Box (Dimensions:67\*\*49\*23mm)

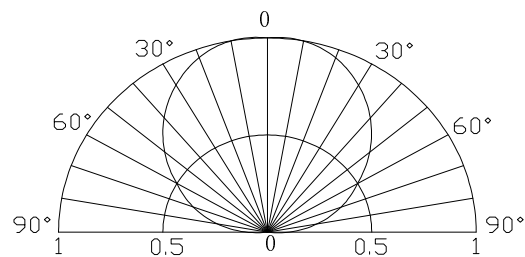


## ■Absolute Maximum Rating (Ta=25°C)

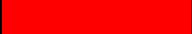





Item	Symbol	Value		Unit
		G/B/M/W	R/Y	
DC Forward Current	$I_F$	20	20	mA
Pulse Forward Current#	$I_{FP}$	100	100	mA
Reverse Voltage	$V_R$	5	5	V
Power Dissipation	$P_D$	102	72	mW
Operating Temperature	$T_{opr}$	-30 ~ +85		°C
Storage Temperature	$T_{stg}$	-40 ~ +100		°C
Lead Soldering Temperature	$T_{sol}$	260°C/10sec		-

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

## ■Directivity



## ■Electrical -Optical Characteristics (Ta=25°C)

0603 Chip LED						
LED P/N	OSR50603	OSY50603	OSG50603	OSB50603	OSM50603	OSW40603
Light Color	Red	Yellow	Pure Green	Blue	Warm White	Pure White
Lens Color	Water Clear	Water Clear	Water Clear	Water Clear	Yellow Diffused	Yellow Diffused
Wavelength*1/Color Temperature*2	620-630nm	585-595nm	520-530nm	455-470nm	2700-3300K	5500-8500K
Luminous Intensity(typ.)*3	30mcd	30mcd	160mcd	25mcd	100mcd	150mcd
Forward Voltage*4	1.6-2.4V	1.6-2.4V	2.5-3.4V	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°
Quantity(pcs)/Box	20	20	20	20	20	20

\*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