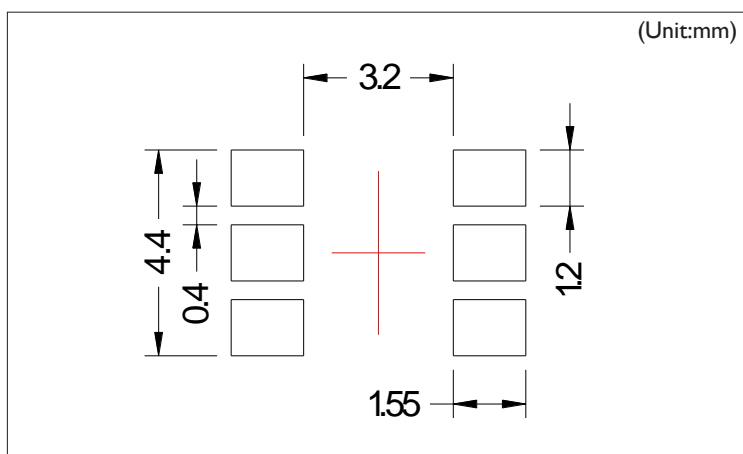


View Angle: 120 (2 1/2)
Plcc6 5050 Type
Super Luminosity LED
For Lighting/Indoor Use



Absolute Maximum Ratings

(Ta@25°C)

| Model No. *1 | Radiation color | Radiation material | Power dissipation P(mW) | Forward current I _F (mA) | Peak forward current I _{FM} (mA) *2 |
|--------------|-----------------|--------------------|-------------------------|-------------------------------------|----------------------------------------------|
| P650EATRWD | Orange-Red | AlInGaP | 672 | 210 | 300 |
| P650ESPB | Blue | InGaN | 285 | 75 | 90 |
| P650ESPG | Pure-Green | InGaN | 285 | 75 | 90 |
| P650JRH | Deep-Red | AlInGaP | 216 | 150 | 150 |
| P65050EPWH | White | InGaN | 324 | 90 | 100 |

Electro-Optical Characteristics

(IF=20mA Ta@25°C)

| Model No. | Lens color | Forward voltage | Luminous intensity | Dominant wavelength | Peak emission wavelength | Spectral half width | Reverse current | | View angle |
|------------|----------------|---------------------------|-----------------------------|----------------------------|----------------------------|---------------------|----------------------------|--------------------|------------|
| | | V _F (V) TYP | I _V (mcd) TYP | λ _d (nm) TYP | λ _p (nm) TYP | Δλ(nm) TYP | I _R (μA) MAX | V _R (V) | Degree |
| P650EATRWD | White Diffused | 2.5 | 6100 | 625 | 635 | 15 | 10uA | 5V | 120 |
| P650ESPB | Water Clear | 3.2 | 800 | 470 | 465 | 20 | | | 120 |
| P650ESPG | Water Clear | 3.2 | 3000 | 525 | 515 | 30 | | | 120 |
| P650JRH | Water Clear | 2.1 | 900 | 640 | 655 | 15 | | | 120 |
| P65050EPWH | Yellow | 3.1 | 5500 | X=0.31 Y=0.32 | - | - | | | 120 |

※ 1. Reflow soldering should not be done more than two times.(led side last stage)

※ 2. When soldering, do not put stress on the LEDs during heating.

※ 3. Hand soldering condition: 350°C for 3 Sec, but not recommended in production process.

※ 4. In Pick and place process avoid touching led lens.