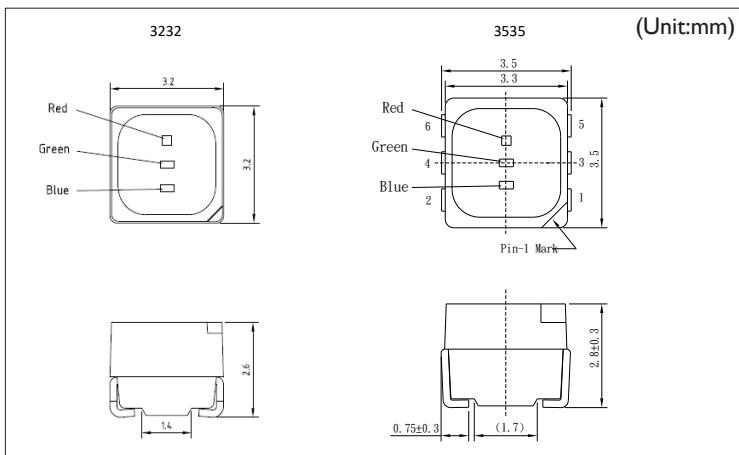


View Angle: 115~120 (2 1/2)
Plcc4&Plcc6 Type
Super Luminosity LED
For Sign Use



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
35FTA	Red / Green / Blue	AlInGaP / InGaP / InGaP	120 / 108 / 108	50 / 30 / 30	100 / 100 / 100
32FTA-BF	Red / Green / Blue	AlInGaP / InGaP / InGaP	120 / 108 / 108	50 / 30 / 30	100 / 100 / 100
P650RGB-BF	Red / Pure-Green / Blue	AlInGaP / InGaP / InGaP	75 / 82.5 / 85	30 / 25 / 25	100 / 100 / 100
P43528RGBWD-2B	Red / Pure-Green / Blue	AlInGaP / InGaP / InGaP	72 / 90 / 90	30 / 25 / 25	100 / 100 / 100
P43528RGBWD-3BF	Red / Pure-Green / Blue	AlInGaP / InGaP / InGaP	72 / 90 / 90	30 / 25 / 25	100 / 100 / 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
35FTA	Water Clear	2.2 / 3.2 / 3.2	700 / 1600 / 350	622 / 528 / 470	628 / 532 / 475	15 / 30 / 20	10uA	5V	115
32FTA-BF	Water Clear	2.1 / 3.2 / 3.2	800 / 2000 / 440	619 / 520 / 470	626 / 535 / 475	15 / 30 / 20			115
P650RGB-BF	Water Clear	2.0 / 2.9 / 3.0	550 / 1700 / 300	625 / 525 / 470	630 / 530 / 475	15 / 30 / 20			115
P43528RGBWD-2B	Water Clear	2.0 / 3.2 / 3.2	400 / 500 / 110	625 / 525 / 470	630 / 530 / 475	15 / 30 / 20			120
P43528RGBWD-3B	Water Clear	2.1 / 3.2 / 3.2	850 / 1650 / 330	625 / 525 / 470	630 / 530 / 475	15 / 30 / 20			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.