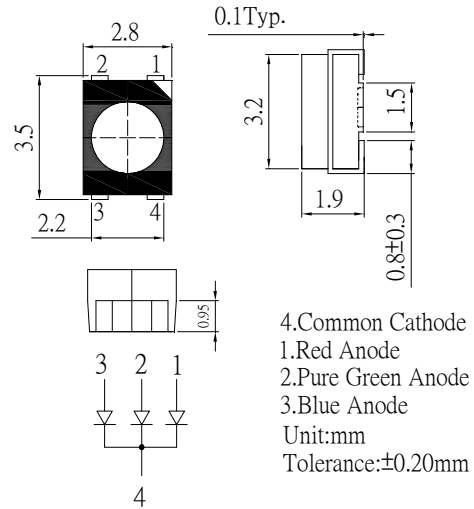


■Features

- High Luminous PLCC4 Top SMD LEDs
- 3.5x2.8x1.9mm Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Higher Contrast by a black surface(RGB-Displays)
- White Diffused Type

■Outline Dimension



■Applications

- Indoor display(e.g. graphic displays)
- LED Chips can be controlled separately
- Full Color Displays, RGB-Displays
- Other Lighting

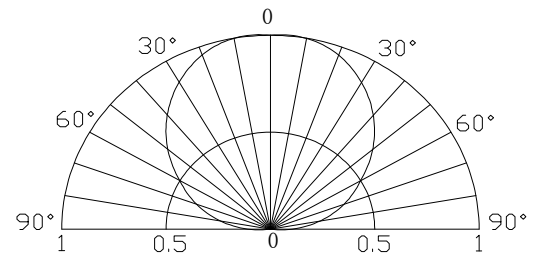
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		Red	G/B	
DC Forward Current	I _F	70	50	mA
Pulse Forward Current*	I _{FP}	120	120	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	182	180	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)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V _F (Red)	I _F =20mA	1.8	2.1	2.6	V
	V _F (G/B)	I _F =20mA	2.9	3.1	3.6	V
Reverse Current	I _R	V _R =5V	-	-	10	μA
Domi. Wavelength*	λ _D (Red)	I _F =20mA	620	625	630	nm
	λ _D (Green)	I _F =20mA	520	525	530	nm
	λ _D (Blue)	I _F =20mA	465	470	475	nm
Luminous Intensity*	I _v (Red)	I _F =20mA	500	750	-	mcd
	I _v (Green)	I _F =20mA	1120	1560	-	mcd
	I _v (Blue)	I _F =20mA	220	400	-	mcd
50% Power Angle	2θ _{1/2}	I _F =20mA	-	120	-	deg

*1 Tolerance of measurements of dominant wavelength is ±1nm

*2 Tolerance of measurements of luminous intensity is ±15%

*3 Tolerance of measurements of forward voltage is ±0.1V