



BI-COLOR LED

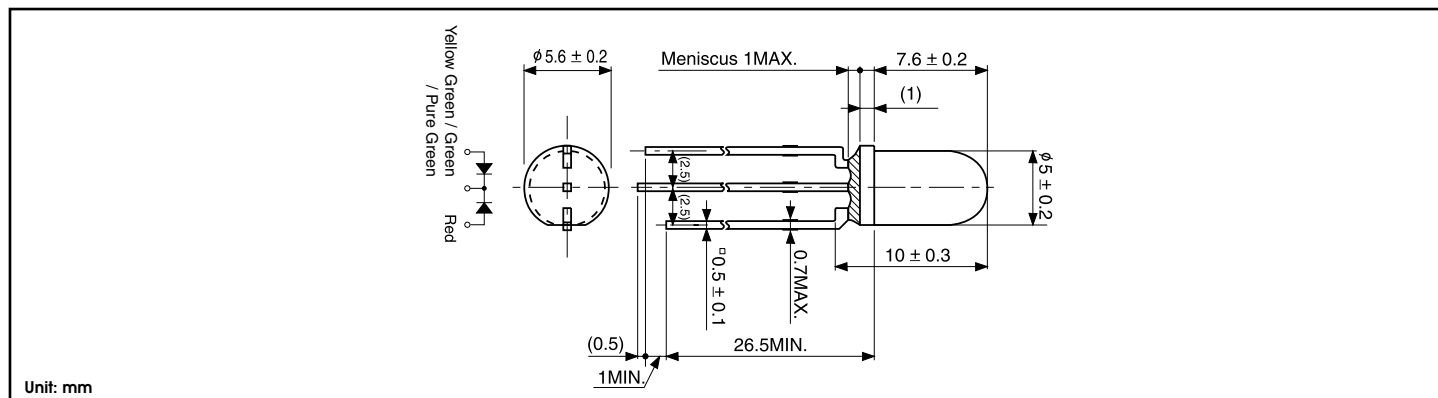
5mm Round Shape



5614X Series

S T A N D A R D C O L O R

Outline Dimensions



Absolute Maximum Ratings

($T_a = 25^\circ\text{C}$)

Item		Red (VR)	Yellow Green (PY)	Red (VR)	Green (PG)	Red (VR)	Pure Green (BG)	Units
	Symbol	VRPY		VRPG		VRBG		
Power Dissipation	Pd	75		75		75		mW
Forward Current	I _F	30		30		30		mA
Peak Forward Current	I _{FM}	100		100		100		mA
Reverse Voltage	V _R	4		4		4		V
Operating Temperature	T _{opr}	-30 to +85						°C
Storage Temperature	T _{stg}	-30 to +100						°C
Derating (DC)*	I _F	0.33						mA/°C

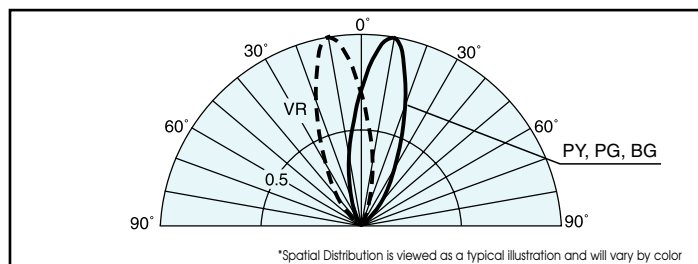
* $T_a = 25^\circ\text{C}$, I_{FM} applies for the pulse width 1msec. and duty cycle 1/20
The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

*The viewing angle is an average and will vary by color ($T_a = 25^\circ\text{C}$)

Part No.	Material	Emitted Color	Lens Color	Luminous Intensity I _V			Wavelength				Forward Voltage V _F			Reverse Current I _R		Viewing Angle
				MIN.	TYP.	I _F	Peak P TYP.	Dominant d TYP.	Spectral Line Half Width TYP.	I _F	TYP.	MAX.	I _F	MAX.	V _R	
																(2
VRPY5614X	GaAsP	Red (VR)	Diffused Milky White	15	30	20	630	624	30	20	2.0	2.5	20	100	4	30°
	GaP	Yellow Green (PY)		25	50	20	570	572	30	20	2.1	2.5	20	100	4	
VRPG5614X	GaAsP	Red (VR)		15	30	20	630	624	30	20	2.0	2.5	20	100	4	
	GaP	Green (PG)		15	30	20	560	567	30	20	2.1	2.5	20	100	4	
VRBG5614X	GaAsP	Red (VR)		15	30	20	630	624	30	20	2.0	2.5	20	100	4	
	GaP	Pure Green (BG)		8	16	20	555	558	30	20	2.1	2.5	20	100	4	
Units				mcd		mA	nm			mA	V		mA	μA	V	Deg.

Spatial Distribution (x)



Operation Current Derating Chart

