



BI-COLOR LED

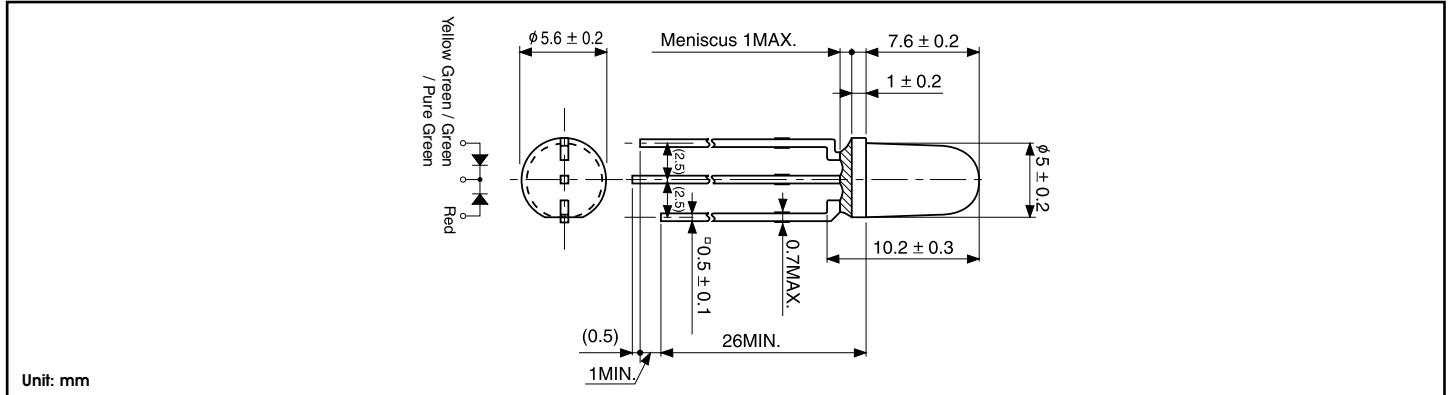
5mm Round Shape



5614S Series

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

Outline Dimensions



Absolute Maximum Ratings

(Ta=25°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	Topr	-30 to +85							°C
Storage Temperature	Tstg	-30 to +100							°C
Derating (DC)*	I _F	0.33							mA/°C

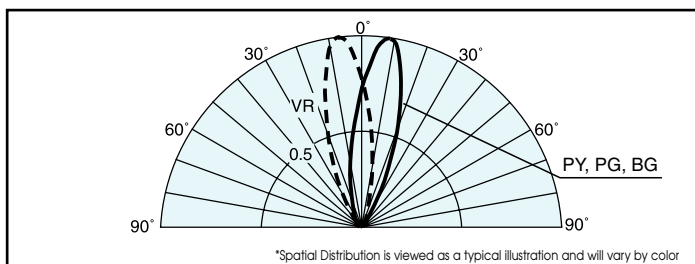
* Ta=25°C, IFM applies for the pulse width 1msec. and duty cycle 1/20
The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

*The viewing angle is an average and will vary by color (Ta=25°C)

Part No.	Material	Emitted Color	Lens Color	Luminous Intensity I _v			Wavelength Spectral Line Half Width				Forward Voltage V _f			Reverse Current I _r		Viewing Angle (2 1/2)
				MIN.	TYP.	I _f	Peak P TYP.	Dominant d TYP.	TYP.	I _f	TYP.	MAX.	I _f	MAX.	V _r	
VRPY5614S	GaAsP	Red (VR)	Diffused Milky White	15	30	20	630	624	30	20	2.0	2.5	20	100	4	20°
	GaP	Yellow Green (PY)		25	50	20	570	572	30	20	2.1	2.5	20	100	4	25°
VRPG5614S	GaAsP	Red (VR)		15	30	20	630	624	30	20	2.0	2.5	20	100	4	20°
	GaP	Green (PG)		15	30	20	560	567	30	20	2.1	2.5	20	100	4	25°
VRBG5614S	GaAsP	Red (VR)		15	30	20	630	624	30	20	2.0	2.5	20	100	4	20°
	GaP	Pure Green (BG)		8	16	20	555	558	30	20	2.1	2.5	20	100	4	25°
Units				mcd		mA	nm			mA	V	mA	μA	V	Deg.	

Spatial Distribution (x)



Operation Current Derating Chart

