



BI-COLOR LED

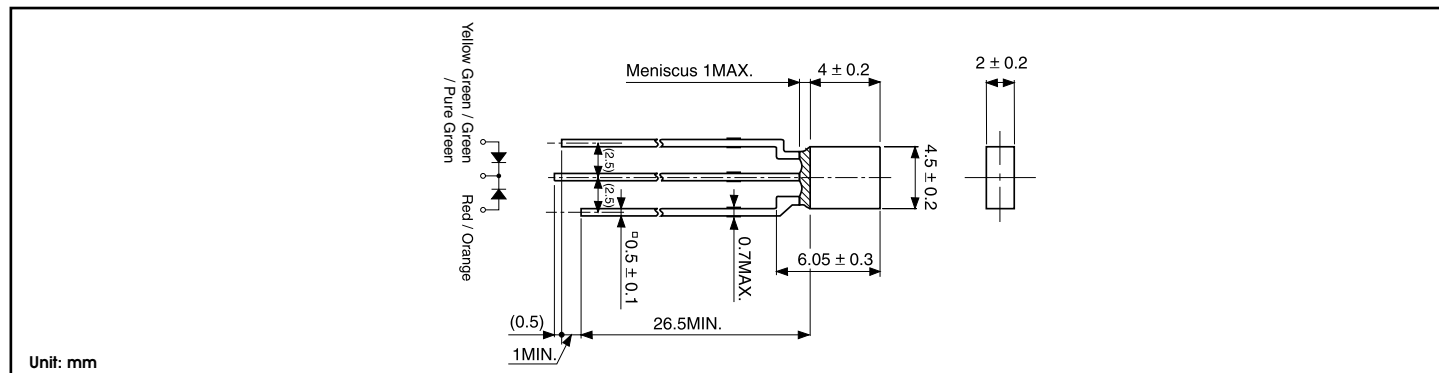
2x4.5mm Rectangular Shape



4607K 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)	Orange (AA)	Pure Green (BG)	Units
	Symbol	VRPY		VRPG		VRBG		AABG		
Power Dissipation	Pd	75		75		75		75		mW
Forward Current	I _F	30		30		30		30		mA
Peak Forward Current	I _{FM}	100		100		100		100		mA
Reverse Voltage	V _R	4		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

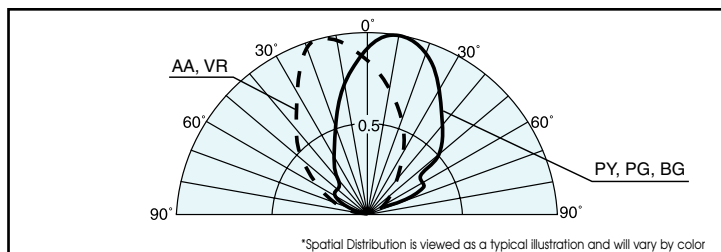
* Ta=25°C, IfM applies for the pulse width 1msec. and duty cycle 1/20
The current derating for operation applies when the temperature is above 25°C

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.	If	Peak P TYP.	Dominant d TYP.	TYP.	If	TYP.	MAX.	If	MAX.	V _R			
VRPY4607K	GaAsP	Red (VR)	Water Clear	4.0	8.0	20	630	624	30	20	2.0	2.5	20	100	4	70°		
	GaP	Yellow Green (PY)		6.0	12.0	20	570	572	30	20	2.1	2.5	20	100	4			
VRPG4607K	GaAsP	Red (VR)		4.0	8.0	20	630	624	30	20	2.0	2.5	20	100	4			
	GaP	Green (PG)		4.0	8.0	20	560	567	30	20	2.1	2.5	20	100	4			
VRBG4607K	GaAsP	Red (VR)		4.0	8.0	20	630	624	30	20	2.0	2.5	20	100	4			
	GaP	Pure Green (BG)		2.0	4.0	20	555	558	30	20	2.1	2.5	20	100	4			
AABG4607K	GaAsP	Orange (AA)		3.0	6.0	20	605	606	30	20	2.2	2.5	20	100	4			
	GaP	Pure Green (BG)		2.0	4.0	20	555	558	30	20	2.1	2.5	20	100	4			
Units				mcd		mA		nm		mA		V		mA			μA	V

Spatial Distribution (x)



Operation Current Derating Chart

