

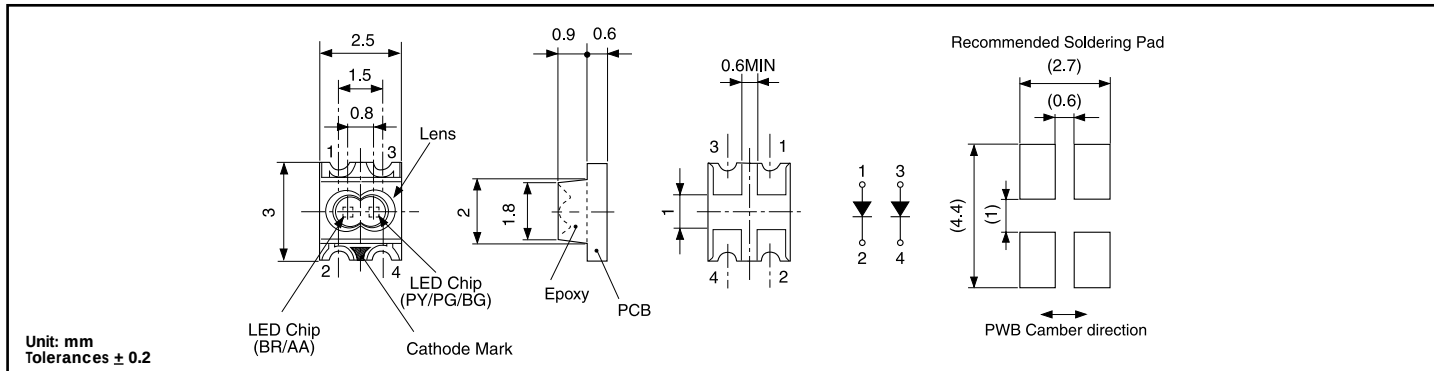
BI-COLOR LED



1204W Standard Type with Inner Lens

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

Outline Dimensions



Absolute Maximum Ratings

(Ta=25°C)

Item		Red	Yellow Green	Red	Green	Red	Pure Green	Orange	Yellow Green	Units	
	Symbol	BRPY		BRPG		BRBG		AAPY			
Power Dissipation	P _d	75		75		75		75		mW	
Forward Current	I _F	30		30		30		30		mA	
Peak Forward Current	I _{FM}	70		70		70		70		mA	
Reverse Voltage	V _R	4		4		4		4		V	
Operating Temperature	T _{opr}	-30 to +85									°C
Storage Temperature	T _{stg}	-40 to +100									°C
Derating*	ΔI _F	0.42 (DC) 0.93 (Pulse)									mA/°C

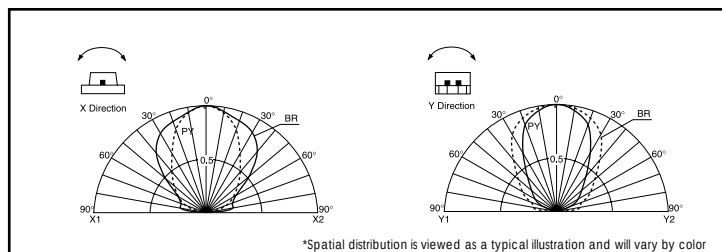
* Ta=25°C, I_{FM} applies for the pulse width $\leq 1\text{msec.}$ and duty cycle $\leq 1/20$.

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				Forward Voltage V _f			Reverse Current I _R		Viewing Angle (2 θ 1/2)		
				MIN.	TYP.	I _f	Peak λ _p TYP	Dominant λ _d TYP	Spectral Line Half Width Δλ TYP	I _f	TYP.	MAX.	I _f	MAX.	V _R			
BRPY1204W	GaAlAs	Red (BR)	Water Clear	6.0	33.6	20	660	647	30	20	1.7	2.0	20	100	4	100°		
	GaP	Yellow Green (PY)		6.0	24	20	570	572	30	20	2.1	2.5	20	100	4	80°		
BRPG1204W	GaAlAs	Red (BR)		6.0	33.6	20	660	647	30	20	1.7	2.0	20	100	4	100°		
	GaP	Green (PG)		6.0	12	20	560	567	30	20	2.1	2.5	20	100	4	80°		
BRBG1204W	GaAlAs	Red (BR)		6.0	33.6	20	660	647	30	20	1.7	2.0	20	100	4	100°		
	GaP	Pure Green(BG)		0.9	4.8	20	555	558	30	20	2.1	2.5	20	100	4	80°		
AAPY1204W	GaAsP	Orange (AA)		5.0	9	20	605	606	30	20	2.2	2.5	20	100	4	80°		
	GaP	Yellow Green (PY)		6.0	12	20	570	572	30	20	2.1	2.5	20	100	4	80°		
Units				mcd		mA		nm		mA		V		mA		μA	V	Deg.

Spatial Distribution



Operation Current Derating Chart (DC)

