



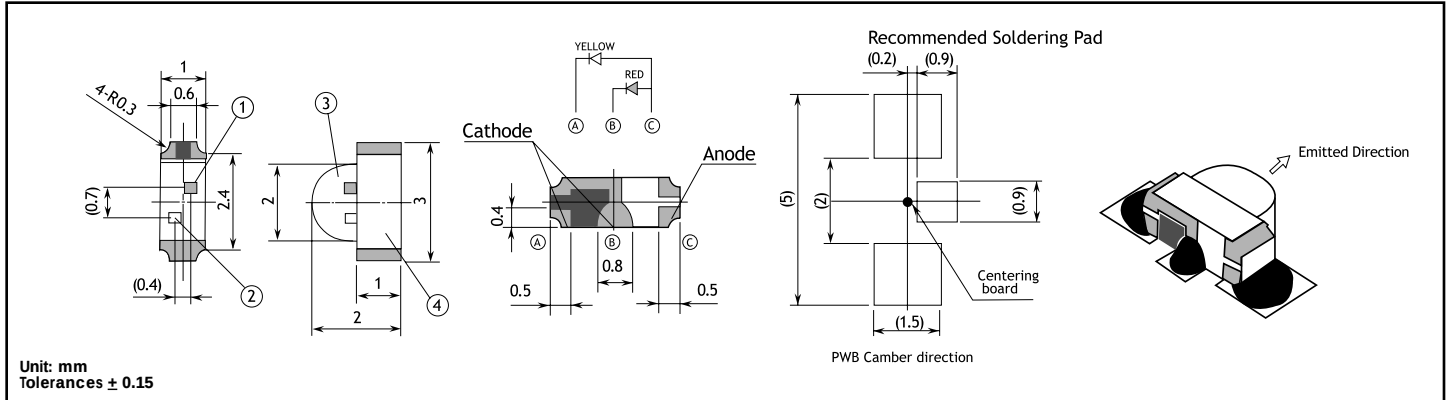
BI-COLOR LED



1211F Right Angle Type

STANDARD COLOR

Outline Dimensions



Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Orange (AA) - Green (PG)	Yellow (AY) - Green (PG)	Red (BR) - Green (PG)	Red (BR) - Yellow Green (PY)	Units
		AAPG	AYPG	BRPG	BRPY	
Power Dissipation	Pd	70	70	70	70	mW
Forward Current	I _F	25	25	25	25	mA
Peak Forward Current	I _{FM}	60	60	60	60	mA
Reverse Voltage	V _R	4	4	4	4	V
Operating Temperature	T _{opr}	-40 to +85				°C
Storage Temperature	T _{stg}	-40 to +100				°C
Derating*	ΔI_F	0.36 (DC) 0.86 (Pulse)				mA/°C

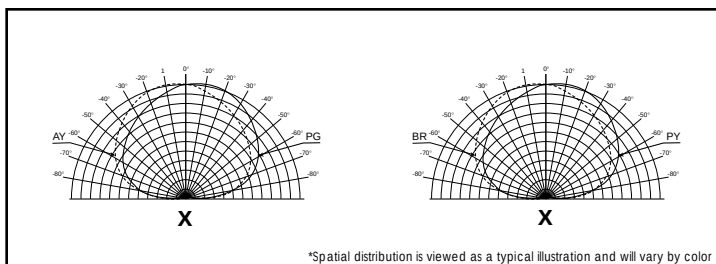
* Ta=25°C, I_{FM} applies for the pulse width $\leq 1\text{msec.}$ and duty cycle $\leq 1/20$.

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 λp TYP.	Dominant λd TYP.	Spectral Line λc TYP.	Half Width Δλ TYP.	I _f	TYP.	MAX.	I _f	MAX.	
AAPG1211F	GaAsP	Orange (AA)	Milky White	2.1	3.0	20	605	606	30	20	2.2	2.8	20	100	4	150°
	GaP	Green (PG)		3.7	5.2	20	560	567	30	20	2.1	2.8	20	100	4	
AYPG1211F	GaAsP	Yellow (AY)		2.1	3.0	20	580	590	30	20	2.2	2.8	20	100	4	
	GaP	Green (PG)		3.7	5.2	20	560	567	30	20	2.1	2.8	20	100	4	
BRPG1211F	GaAlAs	Red (BR)		12.4	17.6	20	660	647	30	20	1.7	2.3	20	100	4	
	GaP	Green (PG)		3.7	5.2	20	560	567	30	20	2.1	2.8	20	100	4	
BRPY1211F	GaAlAs	Red (BR)		12.4	17.6	20	660	647	30	20	1.7	2.3	20	100	4	
	GaP	Yellow Green (PY)		6.2	8.8	20	570	572	30	20	2.1	2.8	20	100	4	
Units				mcd		mA	nm			mA	V		mA	μA	V	Deg.

Spatial Distribution



Operation Current Derating Chart (DC)

