



■ Absolute Maximum Ratings

Ta = 25°C

		Red	Yellow	Yellow	Green	Unit
		BRPY		AYPG		
Power Dissipation	Pb	70		70		mW
Forward Current	I _F	25		25		mA
Peak Forward Current	I _{FM}	60		60		mA
Reverse Voltage	V _R	4		4		V
Operating Temp.	T _{opr}	-30~+85		-30~+85		°C
Storage Temp.	T _{stg}	-40~+100		-40~+100		°C
Derating *	ΔI _F	0.36		0.36		mA/°C

* The current derating for operation applies when temperature is above 25°C.

• IFM Condition : tw ≤ 1msec, Duty ≤ 1/20

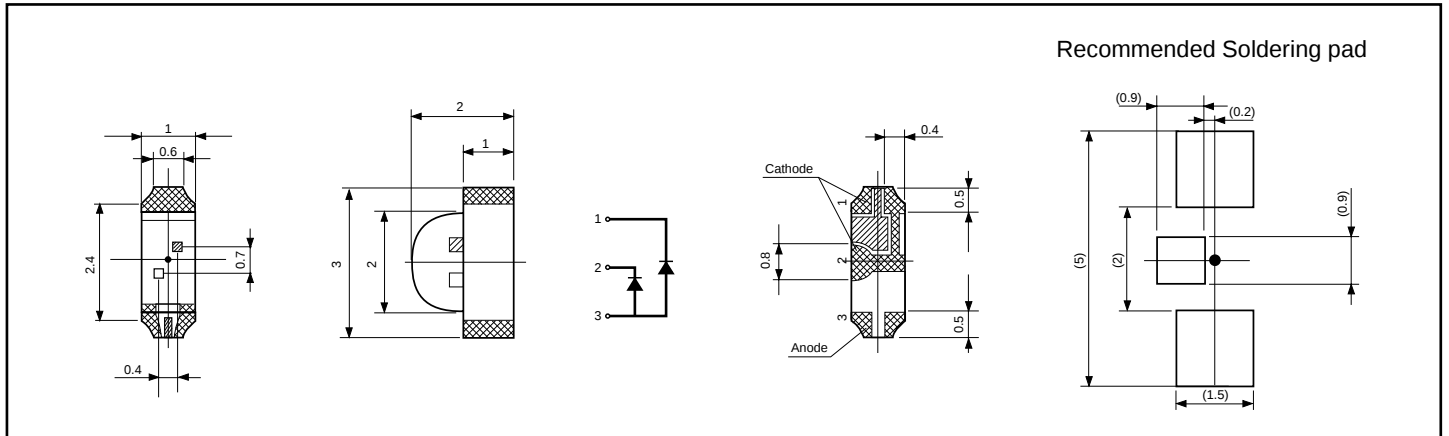
■ Electro-Optical Characteristics

Ta = 25°C

Part No.	Chip		Package Color	Luminous Intensity			Wavelength			Forward Voltage			Reverse Current	
	Material	Emitted Color		I _v			λ p Δ λ			V _F			I _R	
				MIN	TYP	I _F	TYP	TYP	I _F	TYP	MAX	I _F	MAX	V _R
BRPY1211F	GaAlAs	Red	Milky White	12.4	17.6	20	660	30	20	1.7	2.3	20	100	4
	GaP	Yellow		6.2	8.8	20	570	30	20	2.1	2.8	20	100	4
AYPG1211F	GaAlAs	Yellow		2.1	3.0	20	580	30	20	2.2	2.8	20	100	4
	GaP	Green		3.7	5.2	20	560	30	20	2.1	2.8	20	100	4
Units				mcd	mcd	mA	nm	nm	mA	V	V	mA	μA	V

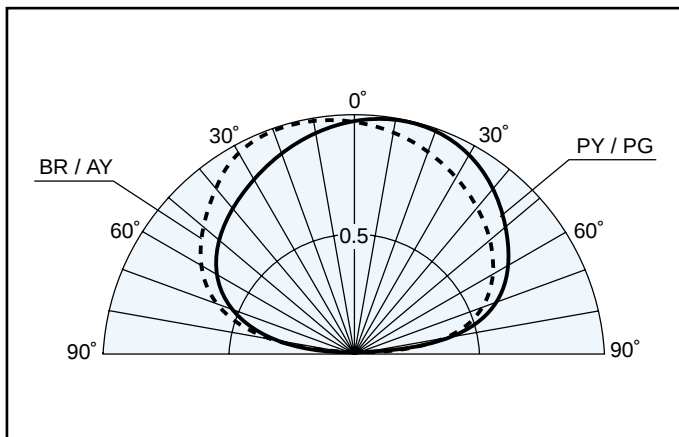
■ Package Dimensions

Unit : mm



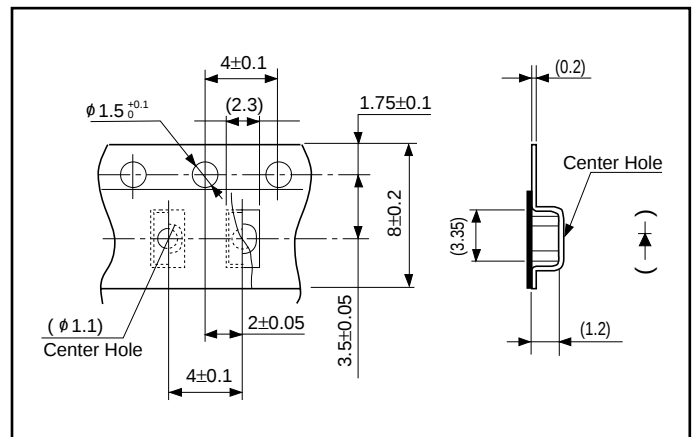
Tolerance : ±0.15mm

■ Spatial Distribution



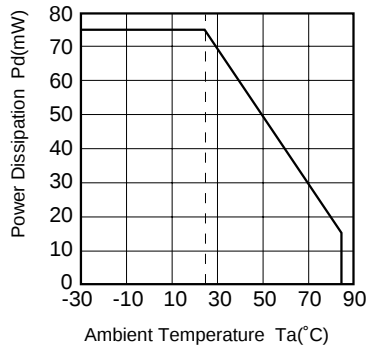
■ Taping Specification

Unit : mm

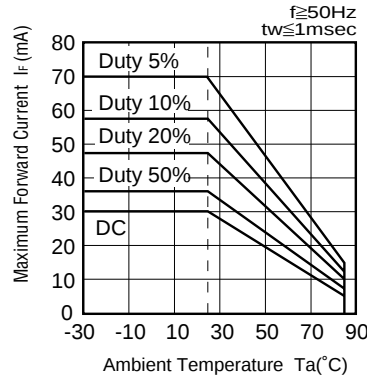


* Quantity 3,000 pcs/Reel

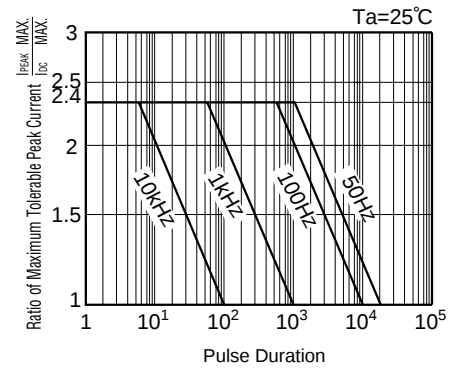
■ Power Dissipation vs. Ambient Temperature



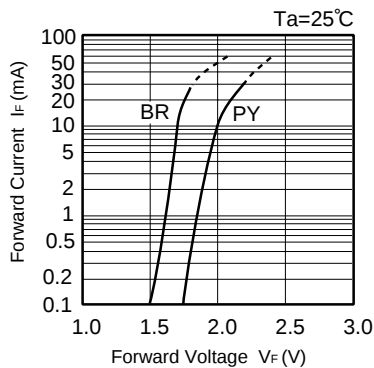
■ Ambient Temperature vs. Maximum Forward Current



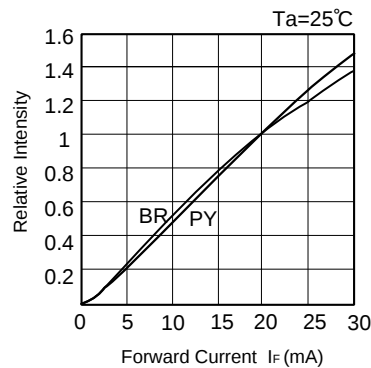
■ Pulse Duration vs. Maximum Tolerable Peak Current



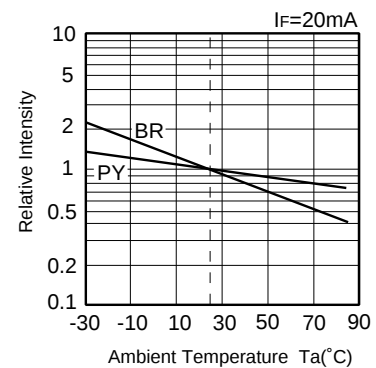
■ Forward Voltage vs. Forward Current



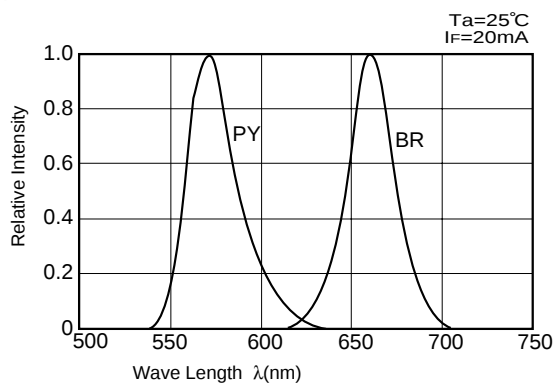
■ Forward Current vs. Relative Intensity



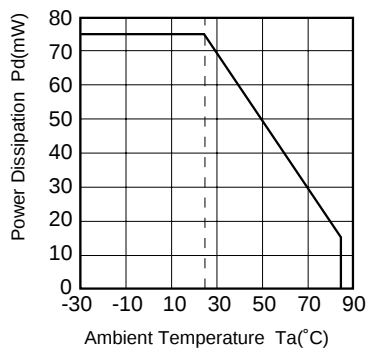
■ Ambient Temperature vs. Relative Intensity



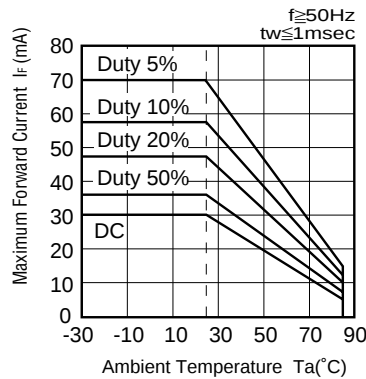
■ Spectral Distribution



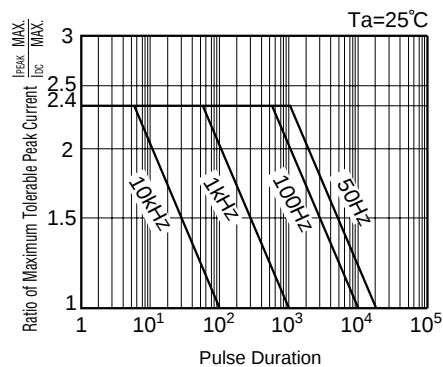
■ Power Dissipation vs. Ambient Temperature



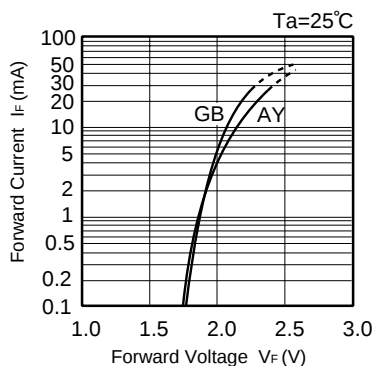
■ Ambient Temperature vs. Maximum Forward Current



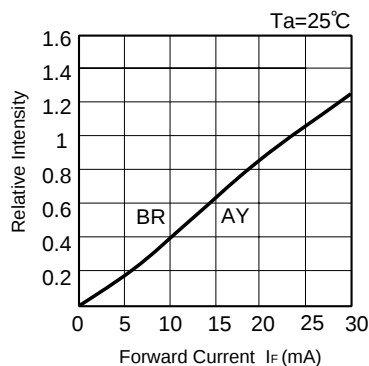
■ Pulse Duration vs. Maximum Tolerable Peak Current



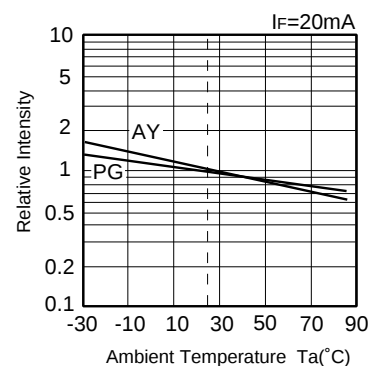
■ Forward Voltage vs. Forward Current



■ Forward Current vs. Relative Intensity



■ Ambient Temperature vs. Relative Intensity



■ Spectral Distribution

