



Absolute Maximum Ratings

Ta = 25°C

		Red	Red	Unit
		KRNY		
Power Dissipation	Pb	100		mW
Forward Current	IF	50		mA
Peak Forward Current	IFM	100		mA
Reverse Voltage	VR	4		V
Operating Temp.	Topr	-30~+85		°C
Storage Temp.	Tstg	-30~+100		°C
Derating *	ΔIF	0.67		mA/°C

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

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

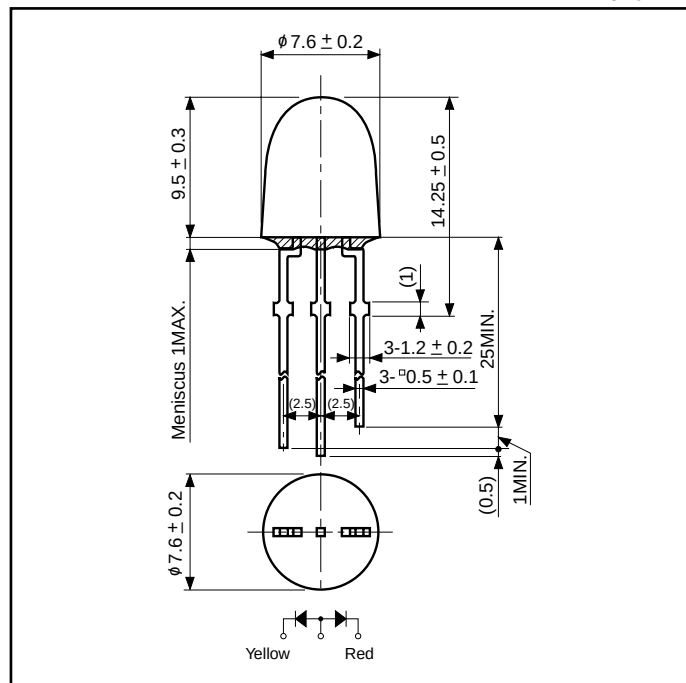
Electro-Optical Characteristics

Ta = 25°C

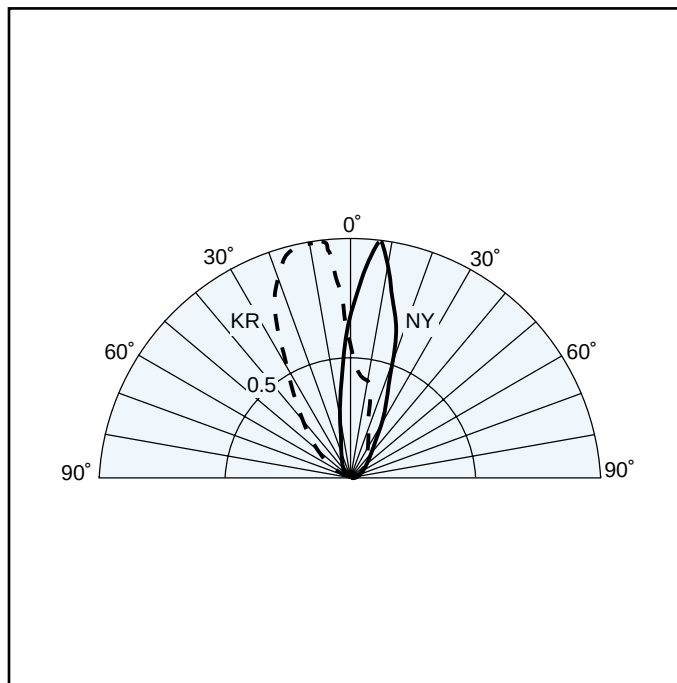
Part No.	Chip		Lens		Luminous Intensity			Wavelength			Forward Voltage			Reverse Current		Capacitance
	Material	Emitted Color			I _v			λ p Δ λ			V _F			I _R		
					MIN	TYP	I _F	TYP	TYP	I _F	TYP	MAX	I _F	MAX	V _R	
KRNY7606X-1	GaAlAs	Red	Water clear	Clear	300	300	20	660	25	20	1.8	2.5	20	100	4	50
	GaP	Yellow			40	100	20	570	30	20	2.1	2.5	20	20	4	40
Units					mcd	mcd	mA	nm	nm	mA	V	V	mA	μA	V	pF

Package Dimensions

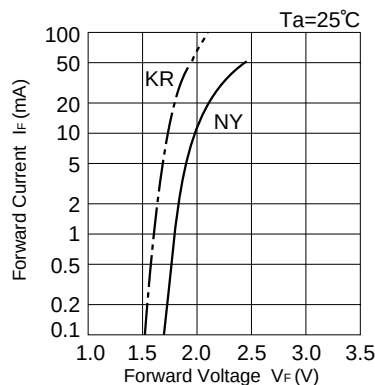
Unit : mm



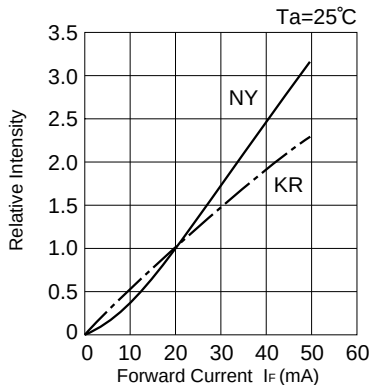
Spatial Distribution



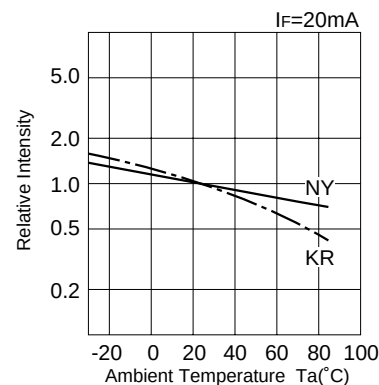
■ Forward Voltage vs. Forward Current



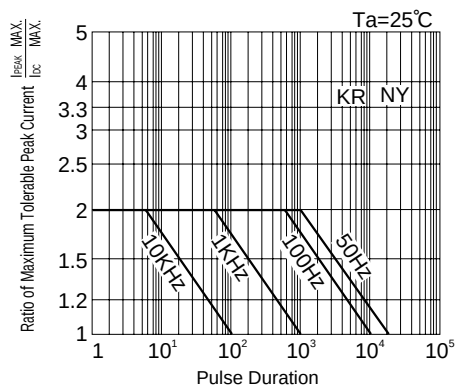
■ Forward Current vs. Relative Intensity



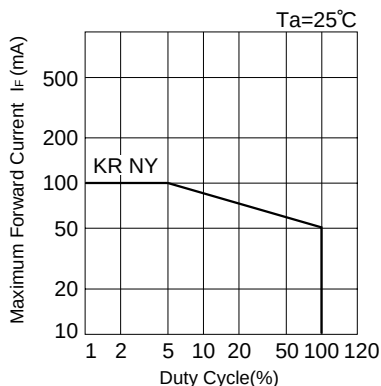
■ Ambient Temperature vs. Intensity



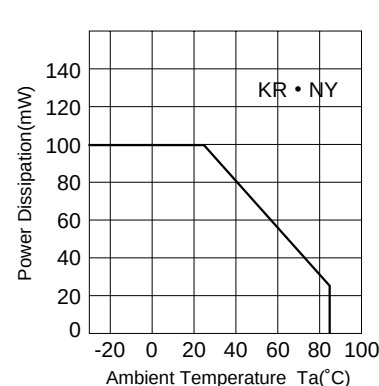
■ Pulse Duration vs. Maximum Tolerable Peak Current



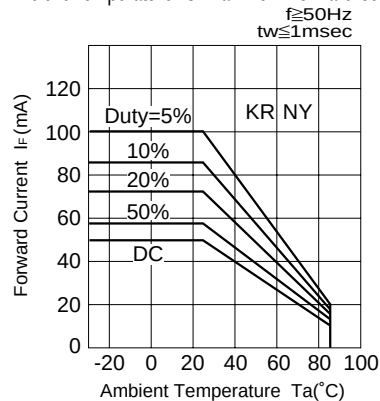
■ Duty Cycle vs. Maximum Forward Current



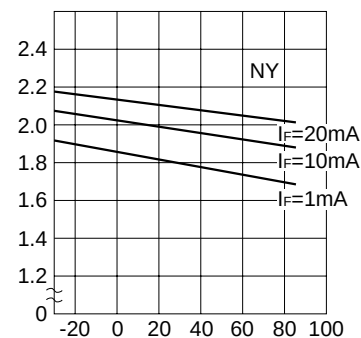
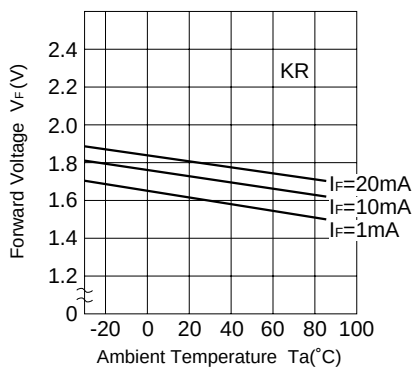
■ Power Dissipation vs. Ambient Temperature



■ Ambient Temperature vs. Maximum Forward Current



■ Forward Voltage vs. Ambient Temperature



■ Spectral Distribution

