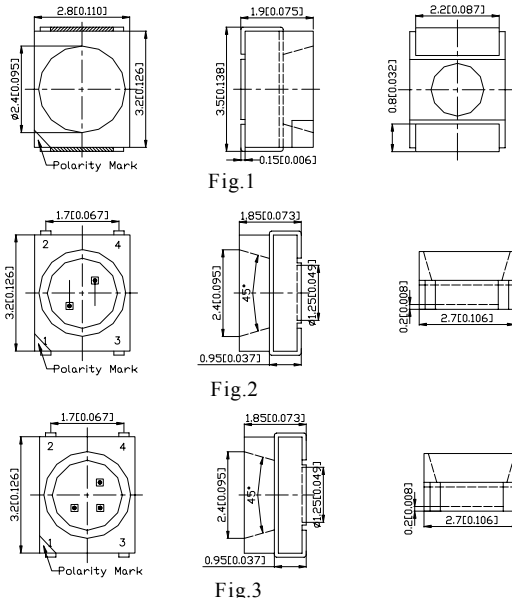
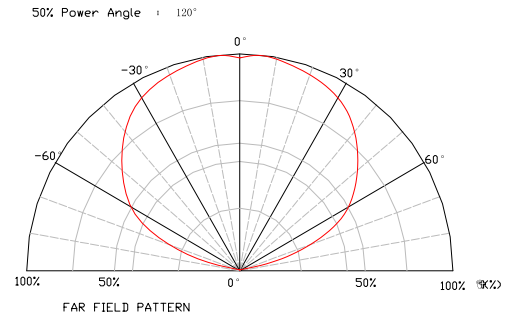


#### \* Outline Dimension(mm)



#### \* Far Field Pattern



#### \* Optical-Electrical Characteristics

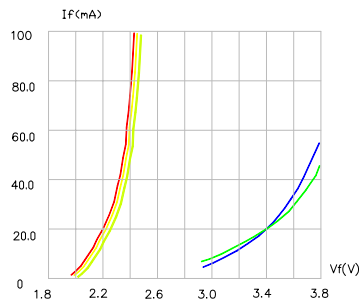


FIG.1 FORWARD CURRENT VS. FORWARD VOLTAGE

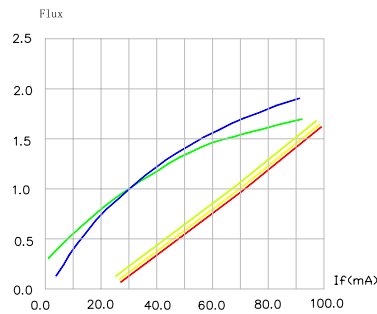


FIG.2 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT.

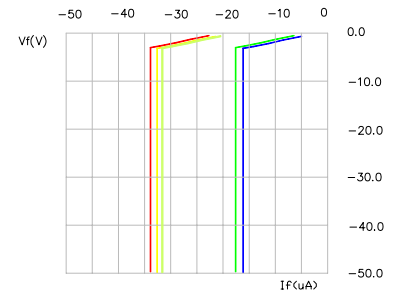


FIG.3 REVERSE CURRENT VS. REVERSE VOLTAGE.

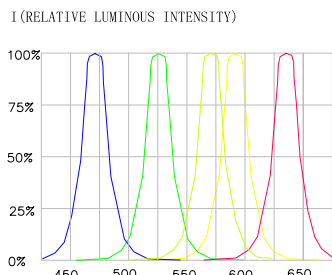


FIG.4 RELATIVE LUMINOUS INTENSITY VS. WAVELENGTH.

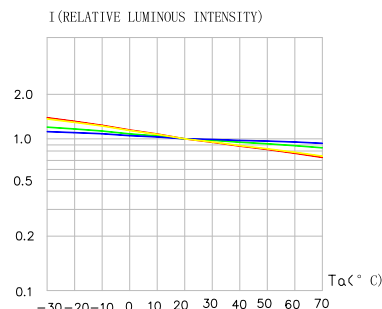


FIG.5 LUMINOUS INTENSITY VS. AMBIENT TEMPERATURE.

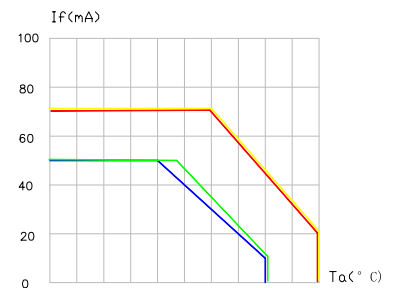


FIG.5 MAXIMUM FORWARD DC CURRENT VS. AMBIENT TEMPERATURE (Tjmax=95°C).

#### Recommended Reflow Soldering Profile:

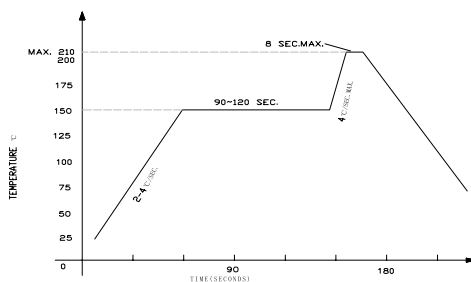


FIGURE 7. RECOMMENDED REFLDW SOLDERING PROFILE.


**Features**

- . Long life
- . Reliable and rugged
- . Low power dissipation.

**Application**

- . Illuminations;
- . LCD Back Light;
- . Indicator.

Part NO.	Viewing Angle (deg)	Size	Lens Color	Chip			IV (mcd)	Vf(V)
							IF=20mA	
				Material	Emitting Color	$\lambda_D$ (nm)(IF=20mA)	Typ	Typ
WCN-1210HR-00	120	0.12*0.10*	Water Clear	AlInGaP	Red	625	100	2.2
WCN-1210HY-00	120	0.12*0.10*	Water Clear	AlInGaP	Yellow	590	110	2.2
WCN-1210YG-00	120	0.12*0.10*	Water Clear	AlInGaP	Yellow Green	570	50	2.2
WCN-1210PG-00	120	0.12*0.10*	Water Clear	AlInGaN	Pure Green	525	130	3.3
WCN-1210CB-00	120	0.12*0.10*	Water Clear	AlInGaN	Blue	470	80	3.3
WCN-1210WW-00	120	0.12*0.10*	Diffused	AlInGaN	White		140	3.3
WCN-1210PK-00	120	0.12*0.10*	Diffused	AlInGaN	Pink		60	3.3
WCN-1210RG-00	120	0.12*0.10*	Water Clear	GaAlAs	Red	625	120	2.2
				GaP	Yellow Green	570	60	2.2
WCN-1210RB-00	120	0.12*0.10*	Water Clear	AlInGaP	Red	625	60	2.2
				AlInGaN	Blue	470	80	3.3
WCN-1210YB-00	120	0.12*0.10*	Water Clear	AlInGaP	Yellow	590	100	2.2
				AlInGaN	Blue	470	80	3.3
WCN-1210FC-00	120	0.12*0.10*	Water Clear	AlInGaP	Red	625	115	2.2
				InGaN	Green	525	150	3.3
				InGaN	Blue	470	80	3.3