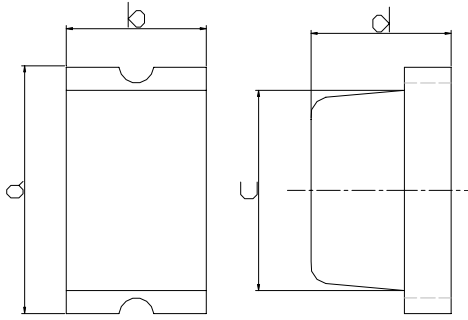
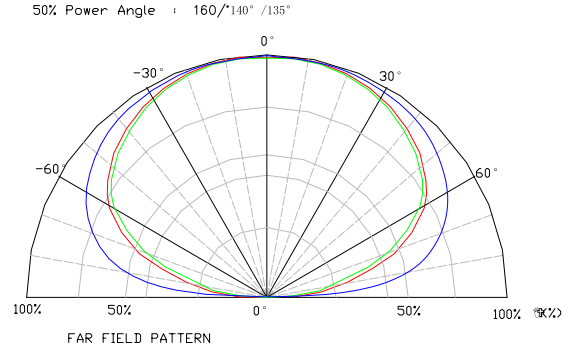


■ **Outline Dimension (mm)**



There are variable size and model in different SMD Lamps for choice by customer.

■ **Far Field Pattern**



■ **Optical-Electrical Characteristics**

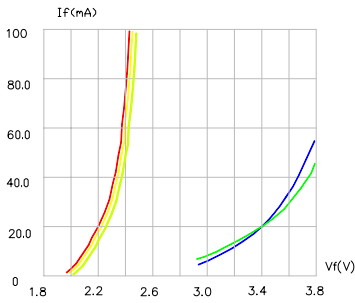


FIG.1 FORWARD CURRENT VS. FORWARD VOLTAGE

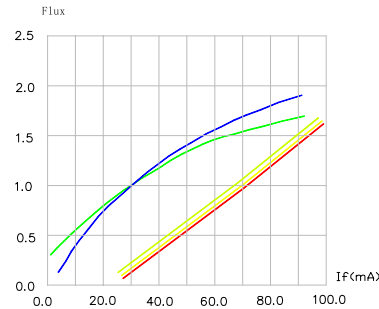


FIG.2 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT.

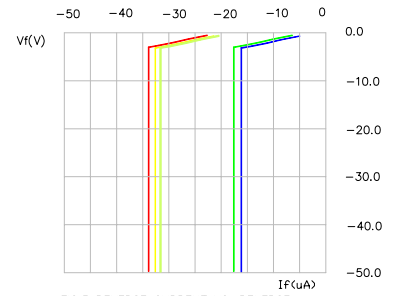


FIG.3 REVERSE CURRENT VS. REVERSE VOLTAGE.

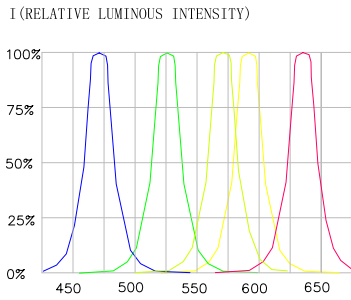


FIG.4 RELATIVE LUMINOUS INTENSITY VS. WAVELENGTH.

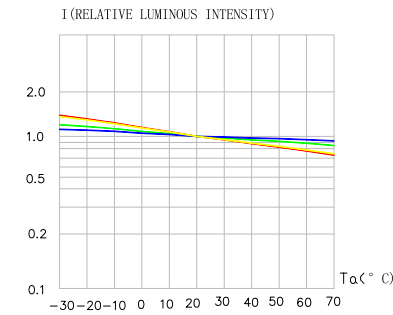


FIG.5 LUMINOUS INTENSITY VS. AMBIENT TEMPERATURE.

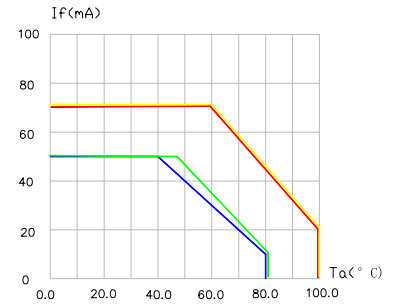


FIG.5 MAXIMUM FORWARD DC CURRENT VS. AMBIENT TEMPERATURE (Tjmax=95° C).

Recommended Reflow Soldering Profile:

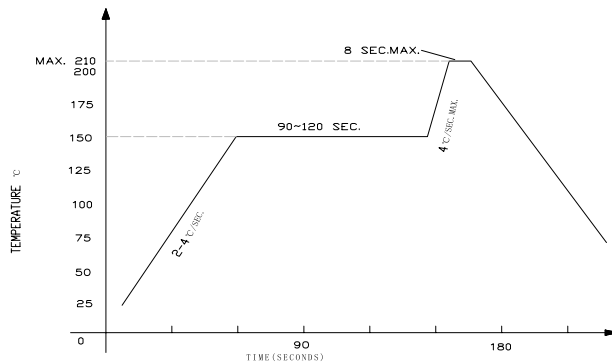
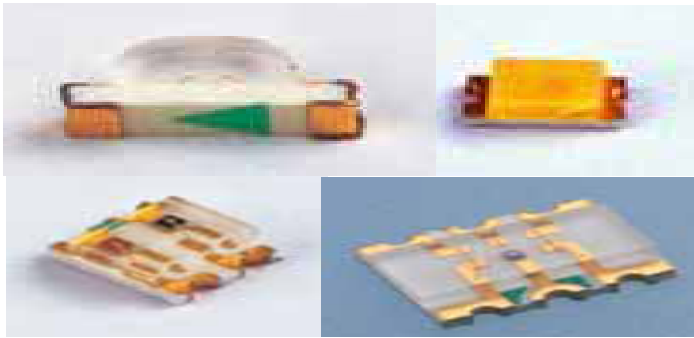


FIGURE 7. RECOMMENDED REFLOW SOLDERING PROFILE.


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	λD(nm)	Typ	Typ	
WCN-0603HR-00	140	0.06*0.03"	Water Clear	AlInGaP	Red	625	150	2.0	
WCN-0603HY-00	140	0.06*0.03"	Water Clear	AlInGaP	Yellow	590	150	2.0	
WCN-0603YG-00	140	0.06*0.03"	Water Clear	AlInGaP	Yellow Green	570	40	2.0	
WCN-0603PG-00	140	0.06*0.03"	Water Clear	AlInGaN	Pure Green	525	200	3.3	
WCN-0603CB-00	140	0.06*0.03"	Water Clear	AlInGaN	Blue	470	100	3.3	
WCN-0603WW-00	140	0.06*0.03"	Diffused	AlInGaN	White		200	3.3	
WCN-0603PK-00	140	0.06*0.03"	Diffused	AlInGaN	Pink		60	3.3	
WCN-0603FC-00	140	0.06*0.03"	Water Clear	AlInGaP	Red	625	100	2.0	
				AlInGaN	Pure Green	525	150	3.3	
				AlInGaN	Blue	470	80	3.3	
WCN-0805HR-00	140	0.08*0.05"	Water Clear	AlInGaP	Red	625	150	2.0	
WCN-0805HY-00	140	0.08*0.05"	Water Clear	AlInGaP	Yellow	590	150	2.0	
WCN-0805YG-00	140	0.08*0.05"	Water Clear	AlInGaP	Yellow Green	570	40	2.0	
WCN-0805PG-00	140	0.08*0.05"	Water Clear	AlInGaN	Pure Green	525	200	3.3	
WCN-0805CB-00	140	0.08*0.05"	Water Clear	AlInGaN	Blue	470	100	3.3	
WCN-0805WW-00	140	0.08*0.05"	Diffused	AlInGaN	White		200	3.3	
WCN-0805PK-00	140	0.08*0.05"	Diffused	AlInGaN	Pink		60	3.3	
WCN-0805RG-00	140	0.08*0.05"	Water Clear	AlInGaP	Red	625	60	2.0	
				AlInGaP	Yellow Green	570	30	2.0	
WCN-0805RB-00	140	0.08*0.05"	Water Clear	AlInGaP	Red	625	60	2.0	
				AlInGaN	Blue	470	40	3.3	
WCN-0805YB-00	140	0.08*0.05"	Water Clear	AlInGaP	Yellow	590	100	2.0	
				AlInGaN	Blue	470	60	3.3	
WCN-1204HR-02	160	0.12*0.04"	Water Clear	AlInGaP	Red	625	130	2.0	
WCN-1204HY-00	160	0.12*0.04"	Water Clear	AlInGaP	Yellow	590	130	2.0	
WCN-1204YG-00	160	0.12*0.04"	Water Clear	AlInGaP	Yellow Green	570	40	2.0	
WCN-1204PG-00	160	0.12*0.04"	Water Clear	AlInGaN	Pure Green	525	150	3.3	
WCN-1204CB-00	160	0.12*0.04"	Water Clear	AlInGaN	Blue	470	60	3.3	
WCN-1204WW-00	160	0.12*0.04"	Diffused	AlInGaN	White		150	3.3	
WCN-1204PK-00	160	0.12*0.04"	Diffused	AlInGaN	Pink		60	3.3	

Part NO.	Viewing Angle (deg)	Size	Lens Color	Chip			IV (mcd)	Vf(V)
							IF=20mA	
				Material	Emitting Color	λD(nm)	Typ	Typ
WCN-1204FC-00	160	0.12*0.04"	Water Clear	AllInGaP	Red	625	30	2.0
				AllInGaN	Pure Green	525	60	3.3
				AllInGaN	Blue	470	20	3.3
WCN-1206HR-00	140	0.12*0.06"	Water Clear	AllInGaP	Red	625	150	2.0
WCN-12065HY-00	140	0.12*0.06"	Water Clear	AllInGaP	Yellow	590	150	2.0
WCN-1206YG-00	140	0.12*0.06"	Water Clear	AllInGaP	Yellow Green	570	40	2.0
WCN-1206PG-00	140	0.12*0.06"	Water Clear	AllInGaN	Pure Green	525	200	3.3
WCN-1206CB-00	140	0.12*0.06"	Water Clear	AllInGaN	Blue	470	100	3.3
WCN-1206WW-00	140	0.12*0.06"	Diffused	AllInGaN	White		200	3.3
WCN-1206PK-00	140	0.12*0.06"	Diffused	AllInGaN	Pink		60	3.3
WCN-1206RG-00	140	0.12*0.06"	Water Clear	AllInGaP	Red	625	40	2.0
				AllInGaP	Yellow Green	570	20	2.0
WCN-1206RB-00	140	0.12*0.06"	Water Clear	AllInGaP	Red	625	70	2.0
				AllInGaN	Blue	470	60	3.3
WCN-1206YB-00	140	0.12*0.06"	Water Clear	AllInGaP	Yellow	590	100	2.0
				AllInGaN	Blue	470	60	3.3
WCN-1206FC-00	140	0.12*0.06"	Water Clear	AllInGaP	Red	625	900	2.0
				AllInGaN	Pure Green	525	1500	3.3
				AllInGaN	Blue	470	50	3.3
WCN-1306HR-02	135	0.13*0.06"	Water Clear	AllInGaP	Red	620	100	2.0
WCN-1306HY-00	135	0.13*0.06"	Water Clear	AllInGaP	Yellow	590	110	2.0
WCN-1306YG-00	135	0.13*0.06"	Water Clear	AllInGaP	Yellow Green	570	50	2.0
WCN-1306PG-00	135	0.13*0.06"	Water Clear	AllInGaN	Pure Green	525	130	3.3
WCN-1306CB-00	135	0.13*0.06"	Water Clear	AllInGaN	Blue	470	80	3.3
WCN-1306WW-00	135	0.13*0.06"	Diffused	AllInGaN	White		140	3.3
WCN-1306PK-00	135	0.13*0.06"	Diffused	AllInGaN	Pink		60	3.3