

LM1-NNN1-01

Features

Indoor and Outdoor Displays
Backlighting
Coupling into Light Guides
RGB Full Color Displays

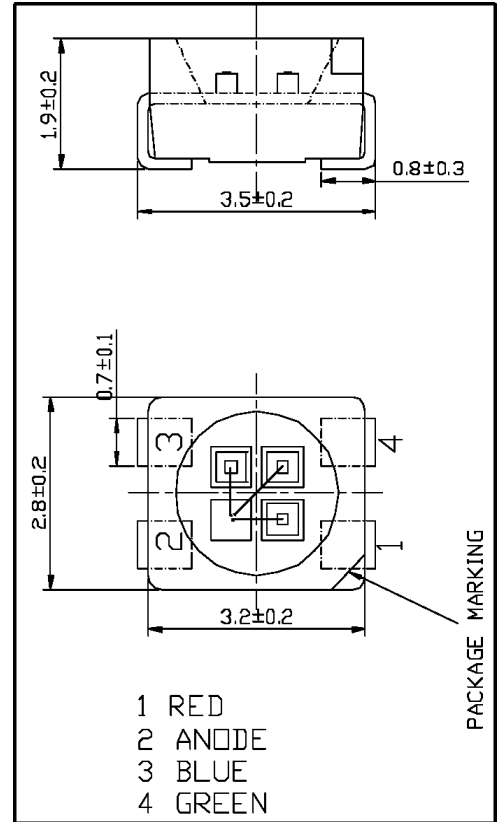


ATTENTION

OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES

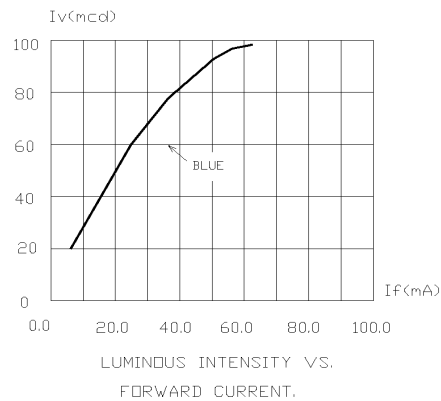
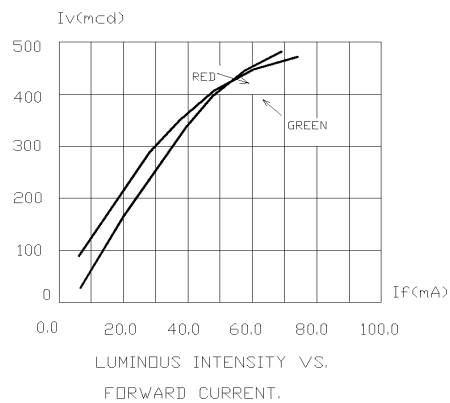
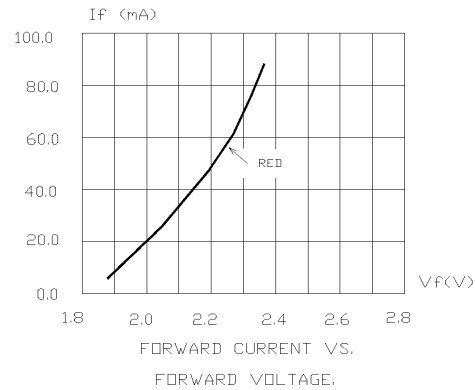
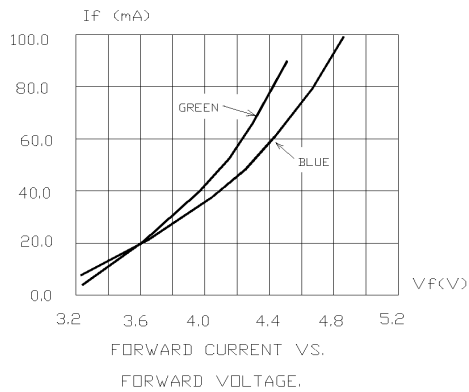
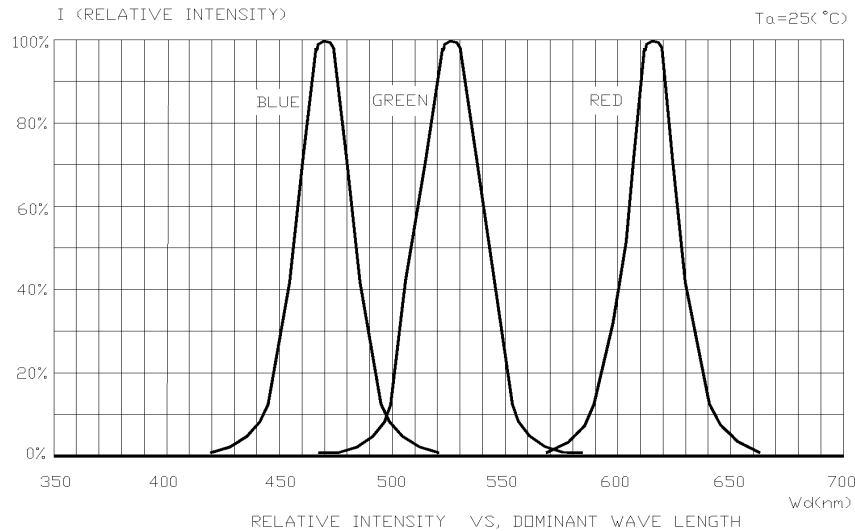
Maximum Ratings (Ta=25°C)

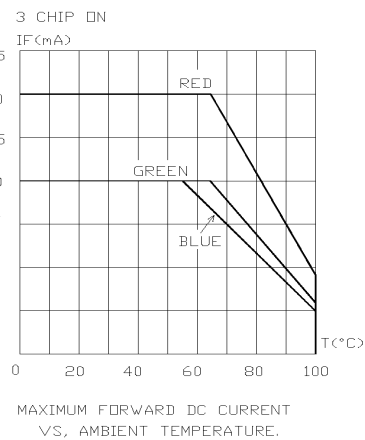
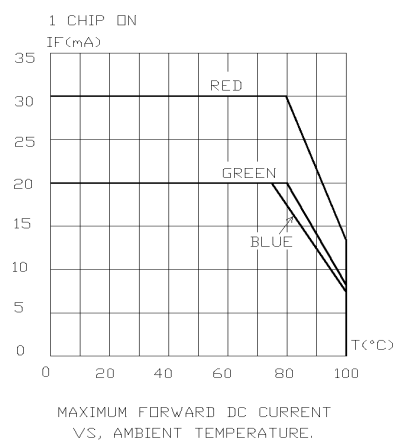
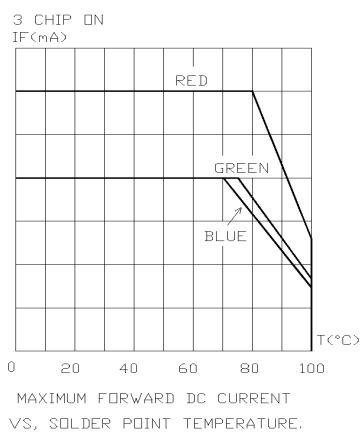
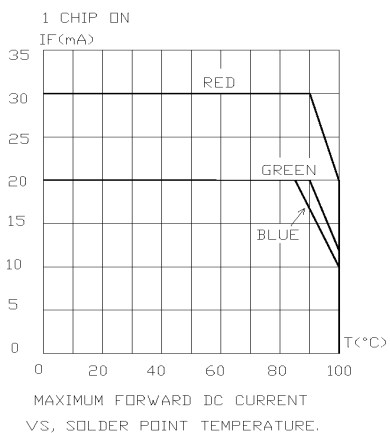
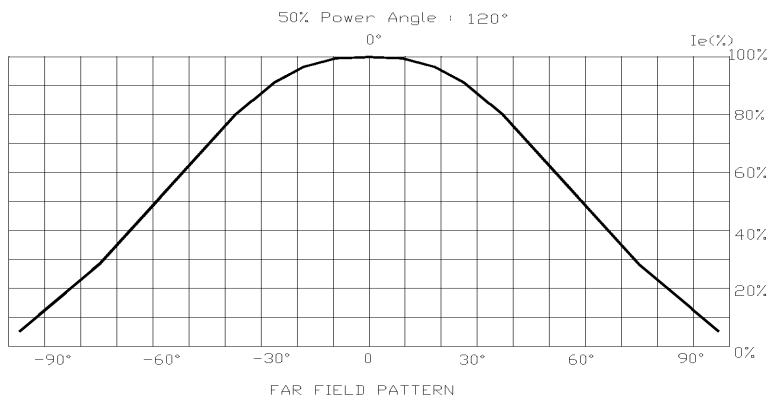
Characteristic	Symbol	Max.			Unit
		UHR	UBPG	UBL	
Forward Current	I _F	30	20	20	mA
Reverse Voltage	V _R	5	5	5	V
Power Dissipation	P _D	150.00	120.00	100.00	mW
Operating Temperature	T _{opr}	-40 ~ +100	-40 ~ +100	-40 ~ +100	°C
Storage Temperature	T _{stg}	-40 ~ +100	-40 ~ +100	-40 ~ +100	°C
Soldering Temperature	T _{sol}	260	260	260	°C
Soldering Time	—	for 5 sec. max	for 5 sec. max	for 5 sec. max	—

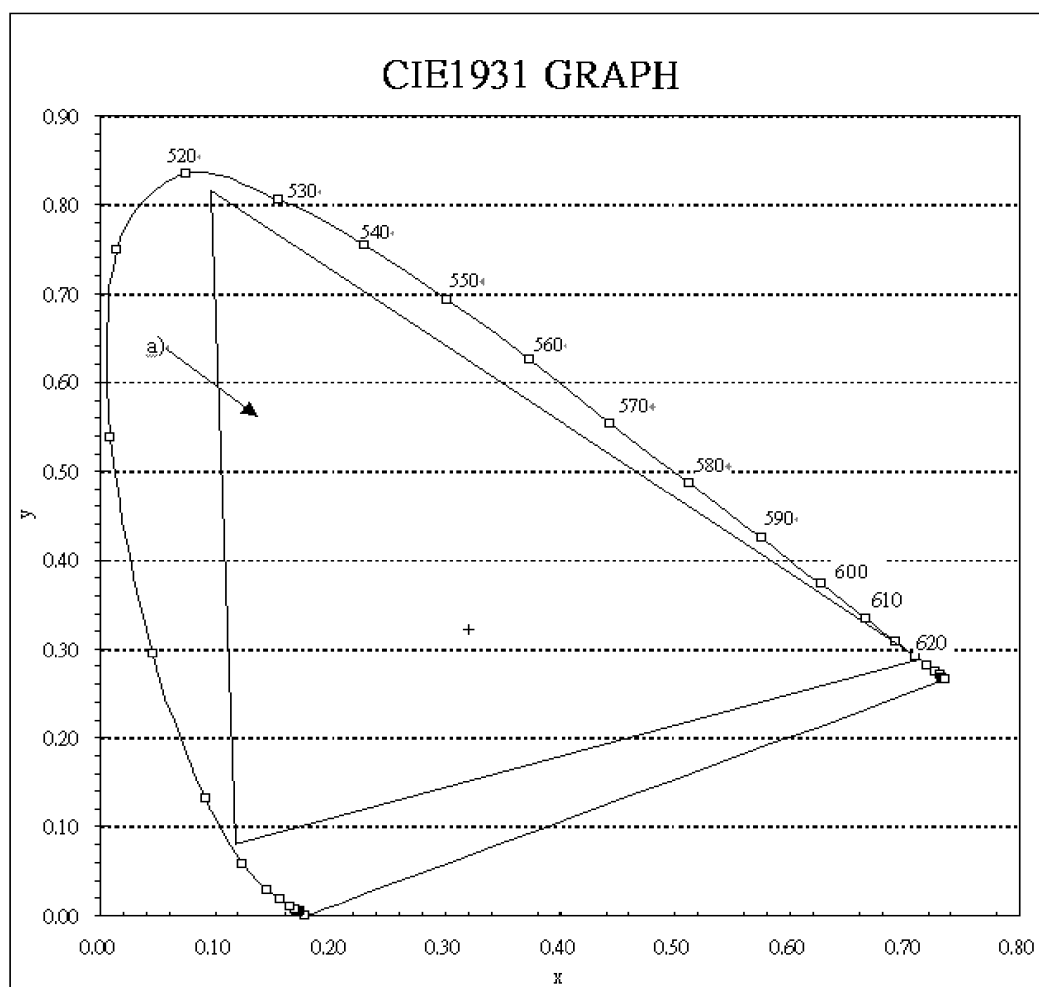


Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min			Typ			Max			Unit
			UHR	UBPG	UBL	UHR	UBPG	UBL	UHR	UBPG	UBL	
Forward Voltage	V _F	I _F =20mA	—	—	—	2.00	3.60	3.60	2.50	4.20	4.20	V
Reverse Current	I _R	V _R =5V	—	—	—	—	—	—	10	10	10	μA
Luminous Intensity	I _v	I _F =20mA	90.00	140.00	36.00	160.00	224.00	55.00	—	—	—	mcd
Viewing Angle	2θ _{1/2}	—	—	—	—	120°	120°	120°	—	—	—	deg.
Peak Wavelength	λ _p	I _F =20mA	—	—	—	623	520	465	—	—	—	nm
Dominant Wavelength	λ _d	I _F =20mA	—	—	—	613	525	470	—	—	—	nm
Spectral Line Half Width	Δλ	I _F =20mA	—	—	—	15	38	28	—	—	—	nm







the color coordinates of the mixed light can be expected within the area of the color triangle marked a).

the achromatic point ($x=0.33, y=0.33$) is marked "+"