

LM1-TPP1-01

Features

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

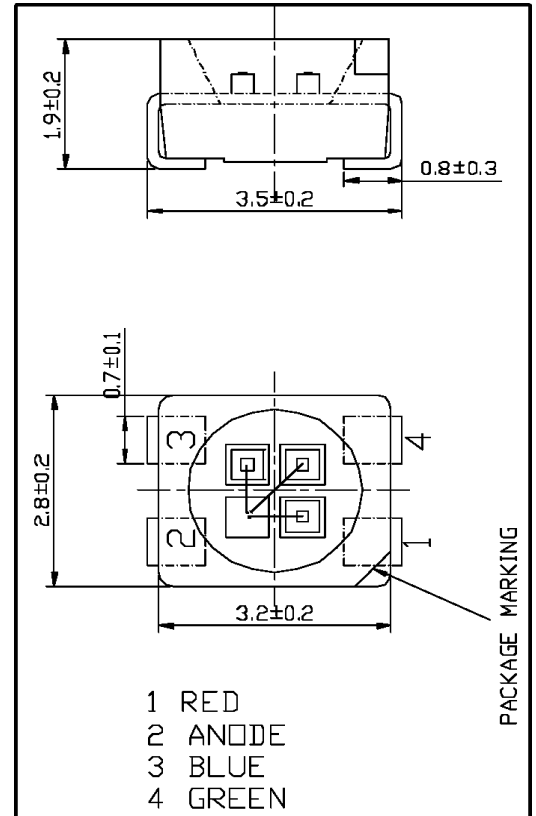


ATTENTION

OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES

Maximum Ratings (Ta=25°C)

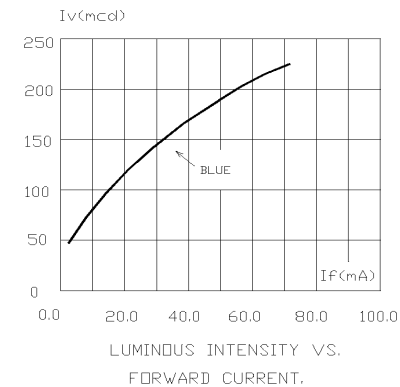
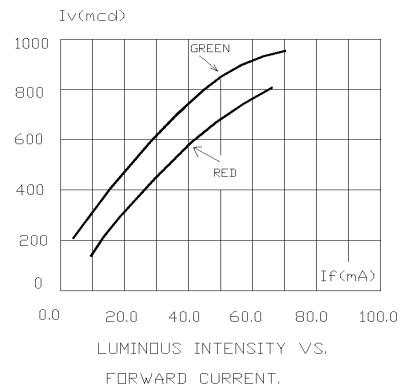
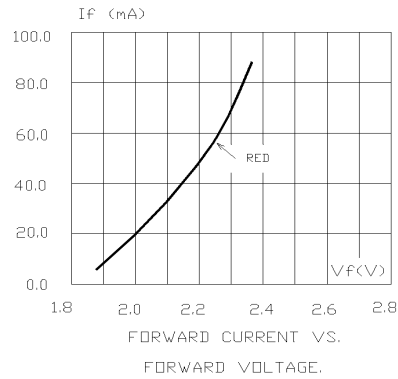
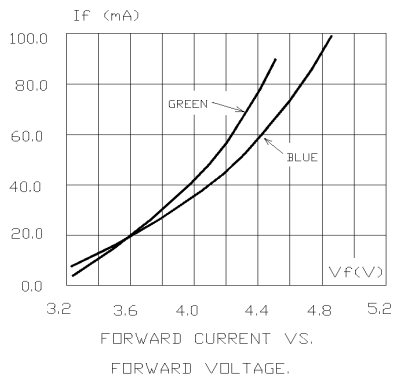
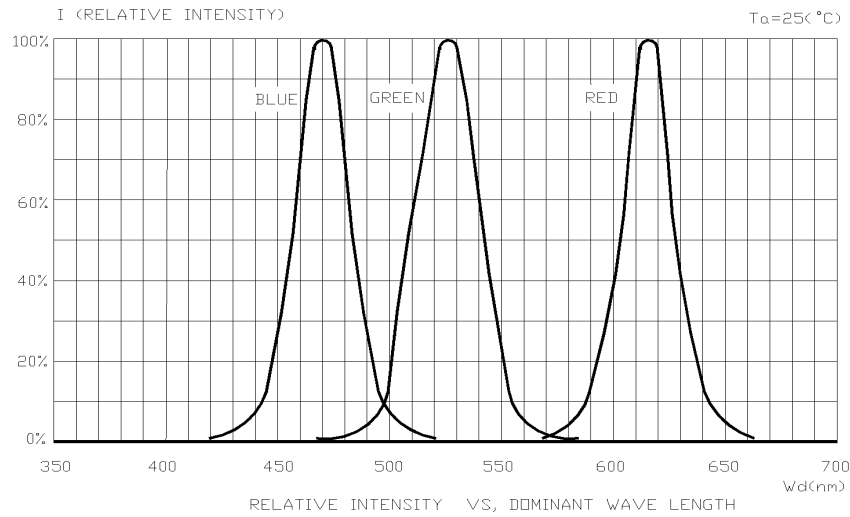
Characteristic	Symbol	Max.			Unit
		UHR	UBPG	UBL	
Forward Current	I _F	50	25	25	mA
Reverse Voltage	V _R	5	5	5	V
Power Dissipation	P _d	130.00	105.00	105.00	mW
Operating Temperature	T _{opr}	-40 ~ +100	-40 ~ +100	-40 ~ +100	°C
Storage Temperature	T _{stg}	-40 ~ +100	-40 ~ +100	-40 ~ +100	°C
Soldering Temperature	T _{sol}	260	260	260	°C
Soldering Time	-	for 5 sec. max	for 5 sec. max	for 5 sec. max	-



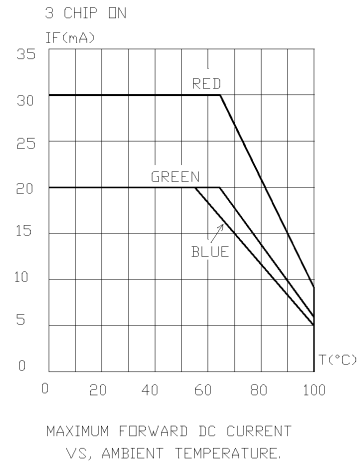
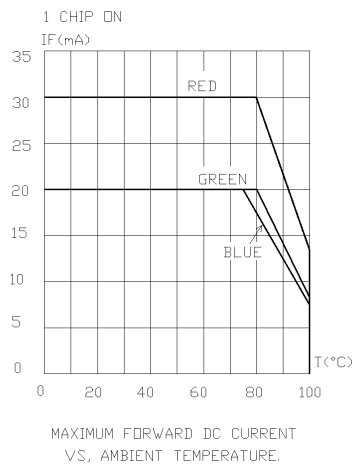
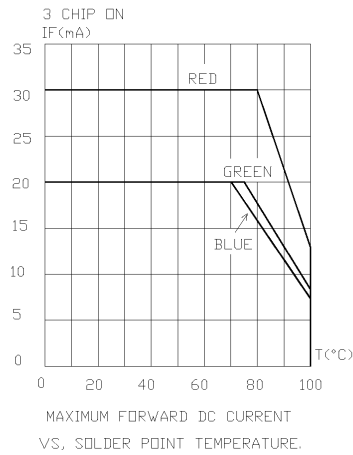
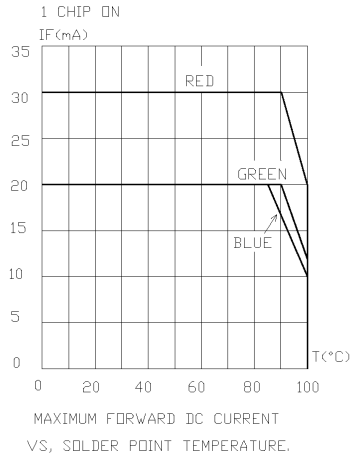
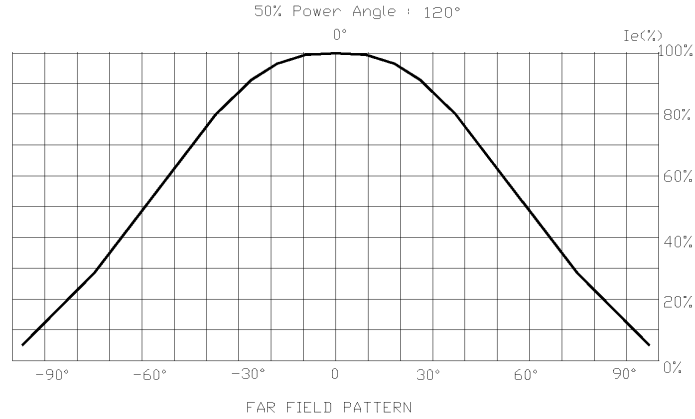
Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min			Typ			Max			Unit
			UHR	UBPG	UBL	UHR	UBPG	UBL	UHR	UBPG	UBL	
Forward Voltage	V _F	I _F =20mA	-	-	-	2.30	3.60	3.60	2.60	4.20	4.20	V
Reverse Current	I _R	V _R =5V	-	-	-	-	-	-	10	10	10	μA
Luminous Intensity	I _v	I _F =20mA	180.00	280.00	71.00	300.00	450.00	110.00	-	-	-	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

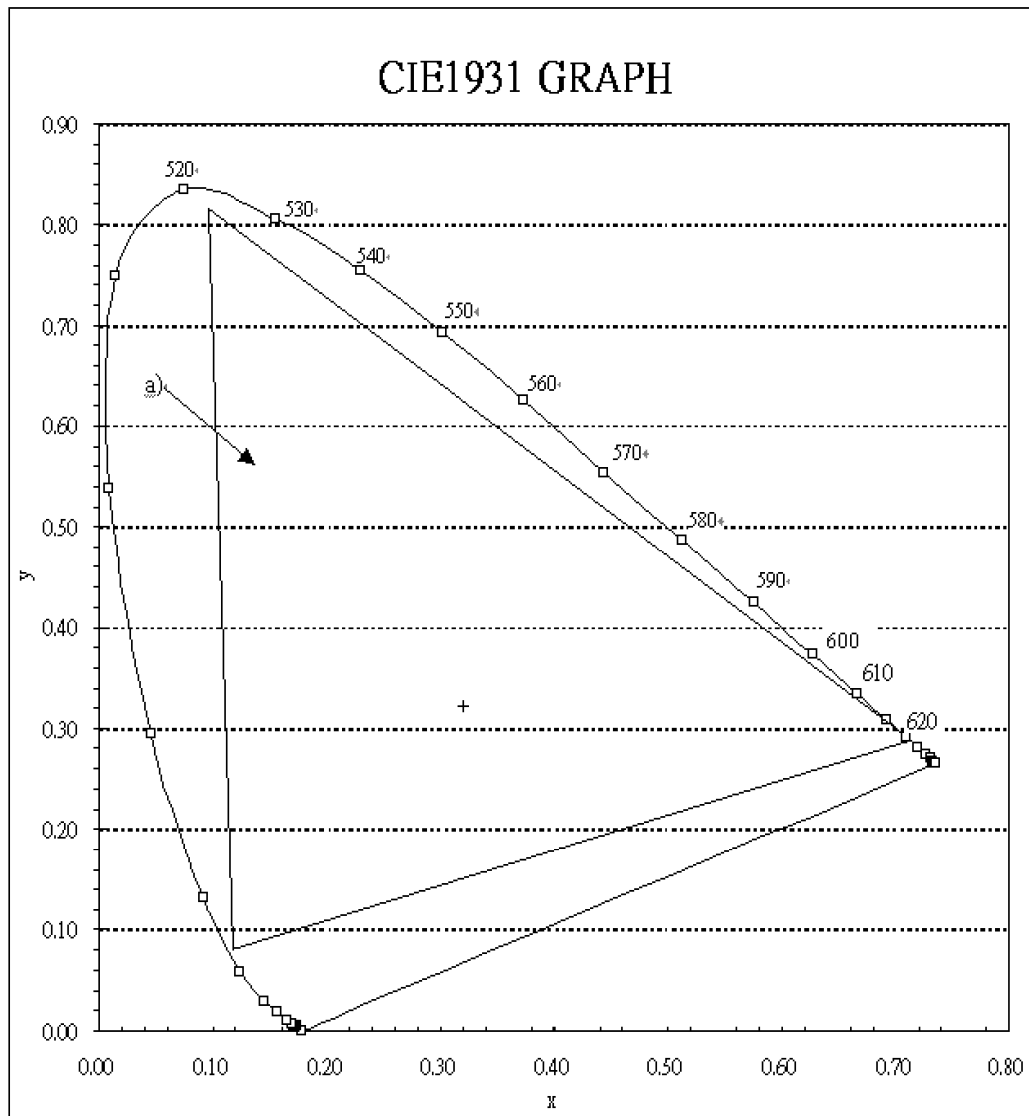
LM1-TPP1-01 Graphs



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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 "+"