

TECHNICAL SPECIFICATION

Part Number: LM-1210F-30X (X: W,R,B,Y,G)

- 500MM*8MM SMD LIGHT RIBBON (30 LEDS)
- PRINTED CIRCUIT BOARD THICKNESS:0.2MM
- LED VIEW ANGLE:120 DEGREE
- PACKAGE:5 METERS/REEL

■ Absolute Maximum Rating

Item	Symbol	Absolute Maximum Rating	Unit
Forward Current	I _F	200	mA
Peak Forward Current*	I _{FP}	250	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	2.4	W
Electrostatic discharge	E _{SD}	800	V
Operation Temperature	T _{opr}	-25~+80	°C
Storage Temperature	T _{stg}	-40~+80	°C
Lead Soldering Temperature*	T _{sol}	Max. 230°C for 5sec Max.	

*I_{FP} Conditions: Pulse Width ≤ 10msec duty ≤ 1/10

*T_{sol} Conditions: 3mm from the base of the epoxy bulb

■ Typical Optical/ Electrical Characteristics (WHITE)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =200mA		12		V
Luminous Flux	Φ _V	I _F =200mA		70		lm
Peak Wavelength	λ _P	I _F =200mA				nm
Recommend Forward Current	I _F (rec)	--	--	--	200	mA

■ Typical Optical/ Electrical Characteristics(RED)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =200mA		12		V
Luminous Flux	Φ _V	I _F =200mA		30		lm
Peak Wavelength	λ _P	I _F =200mA	636	639		nm
Recommend Forward Current	I _F (rec)	--	--	--	200	mA



TECHNICAL SPECIFICATION

■ Typical Optical/ Electrical Characteristics(YELLOW)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=200\text{mA}$		12		V
Luminous Flux	Φ_V	$I_F=200\text{mA}$		45		lm
Peak Wavelength	λ_P	$I_F=200\text{mA}$	587		591	nm
Recommend Forward Current	$I_F(\text{rec})$	--	--	--	200	mA

■ Typical Optical/ Electrical Characteristics(PURE GREEN)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=200\text{mA}$		12		V
Luminous Flux	Φ_V	$I_F=200\text{mA}$		95		lm
Peak Wavelength	λ_P	$I_F=200\text{mA}$	515	525		nm
Recommend Forward Current	$I_F(\text{rec})$	--	--	--	200	mA

■ Typical Optical/ Electrical Characteristics(BLUE)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=200\text{mA}$		12		V
Luminous Flux	Φ_V	$I_F=200\text{mA}$		24		lm
Peak Wavelength	λ_P	$I_F=200\text{mA}$	473	476		nm
Recommend Forward Current	$I_F(\text{rec})$	--	--	--	200	mA

Notes:

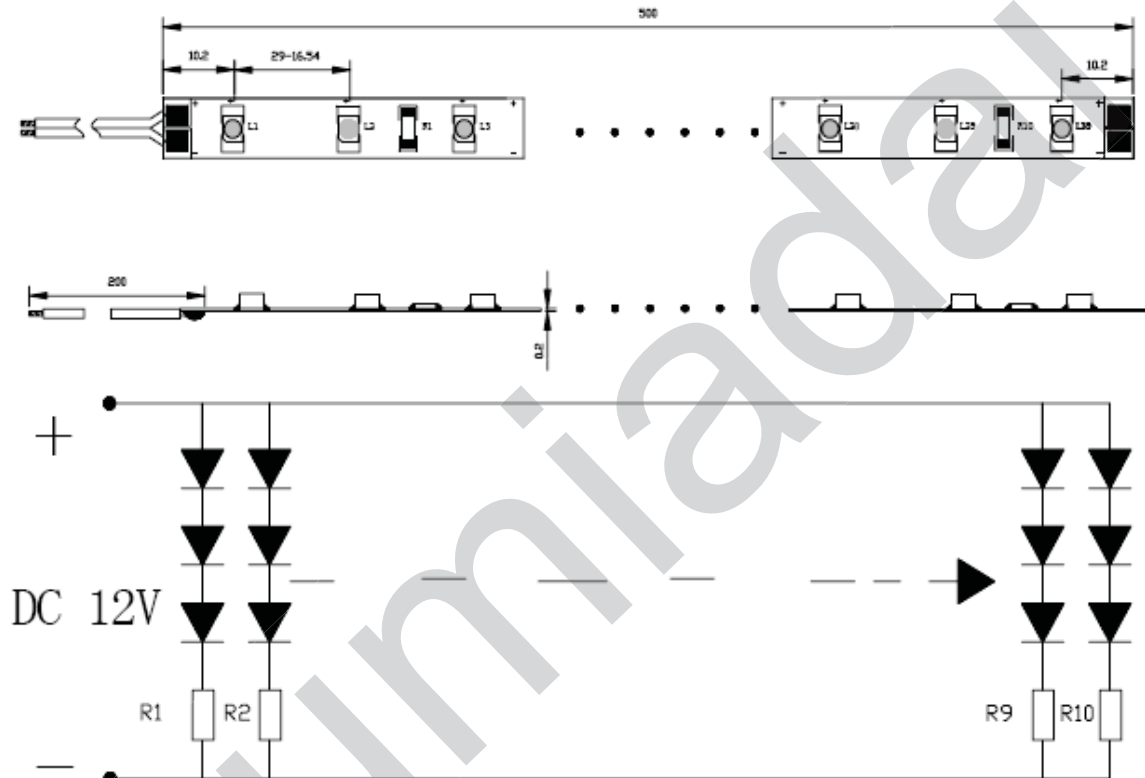
- 1.Absolute maximum ratings $T_a=25^\circ\text{C}$.
- 2.Tolerance of measurement of forward voltage $\pm 0.1\text{V}$.
- 3.Tolerance of measurement of peak Wavelength $\pm 2.0\text{nm}$.
- 4.Tolerance of measurement of luminous intensity $\pm 15\%$.



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Package Dimensions



Notes:

1. All dimension units are millimeters.
2. All dimension tolerance is $\pm 0.2\text{mm}$ unless otherwise noted.
3. An epoxy meniscus may extend about 1.5mm down the leads.

Burr around bottom of epoxy may be 0.5mm max..