

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

- 500MM*8MM 1210 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 ≤ 10 msec duty $\leq 1/10$

* 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	$I_F=200$ mA		12		V
Luminous Flux	Φ_V	$I_F=200$ mA		70		lm
Peak Wavelength	λ_P	$I_F=200$ mA				nm
Recommend Forward Current	$I_F(\text{rec})$	--	--	--	200	mA

■ Typical Optical/ Electrical Characteristics(RED)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=200$ mA		12		V
Luminous Flux	Φ_V	$I_F=200$ mA		30		lm
Peak Wavelength	λ_P	$I_F=200$ mA	636	639		nm
Recommend Forward Current	$I_F(\text{rec})$	--	--	--	200	mA



■ Typical Optical/ Electrical Characteristics(YELLOW)

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

■ Typical Optical/ Electrical Characteristics(PURE GREEN)

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

■ Typical Optical/ Electrical Characteristics(BLUE)

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

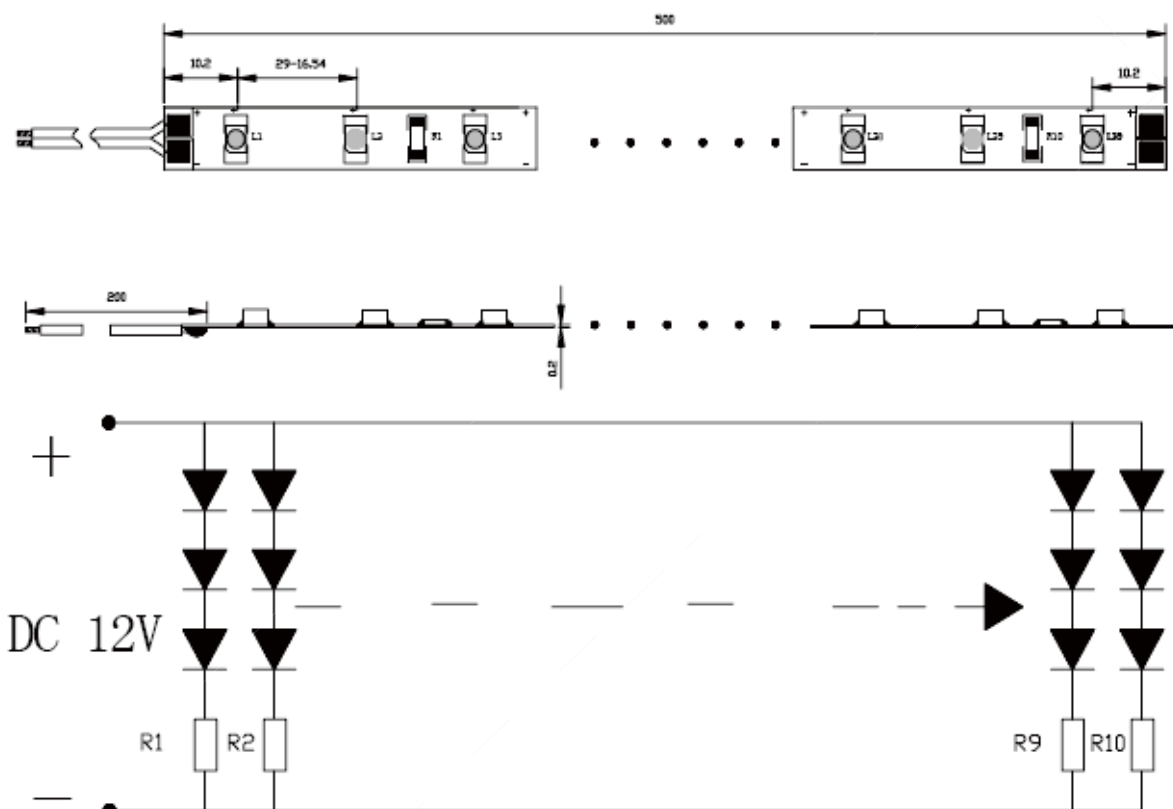
Notes:

1. Absolute maximum ratings $T_a=25^\circ C$.
2. Tolerance of measurement of forward voltage $\pm 0.1V$.
3. Tolerance of measurement of peak Wavelength $\pm 2.0nm$.
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..