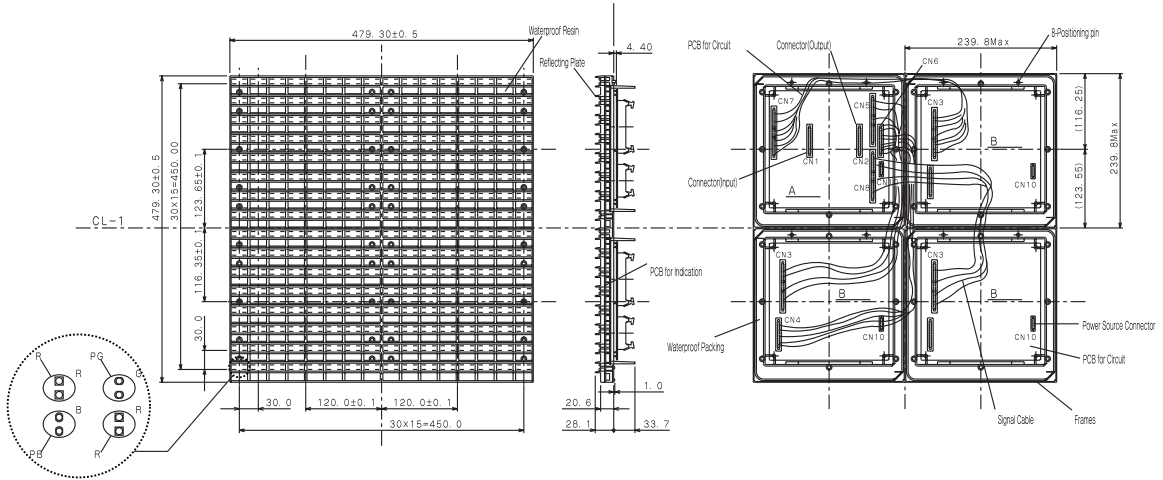


FULL COLOR PANEL DISPLAY UNITS

480 × 480 mm

16 × 16 Dots LNP721031G

■ Outline Drawing



■ Absolute Maximum Ratings (Ta = 25°C)

Item	Symbol	Rated	Unit
Supply Voltage for Logic	V _{CC}	+ 5.5	V
Supply Voltage for LED	V _{LED}	R: + 5.5 PG: + 5.5 PB: + 5.5	V
Input Voltage	V _{in}	- 0.3 ~ V _{CC} + 0.3	V
Operating Ambient Temperature	T _{opr}	- 20 ~ + 45	°C
Storage Temperature	T _{stg}	- 30 ~ + 80	°C

■ Main Specifications (Ta = 25°C)

Item	Symbol	Rated	Unit	
Display Colors		Full Color (Red, Green, Blue)		
Display Surface Size		480 × 480	mm	
Dot Total Number		256 (16 × 16)		
Dot Structure		R:2 PG:1 PB:1		
Dots Pitch		30.0	mm	
Brightness(when lighting all lamps)	B	R:1010 PG:1930 PB:320 W:3000	cd/m ²	
Dots Brightness Variation		± 26	%	
Area Gradation		R:PG:PB 256 gradation for each color		
Modulated Light				
Peak Emission Wavelength (Typ)	λ _p	R:620 PG:525 PB:468	nm	
Viewing Angle (50 % Luminous)	2θ 1/2	Level 70, Up10, Down 18	°	
Operating Method		Static lighting		
Operating Frequency	f _{CLK}	2	MHz	
Scan Frequency	f _{ECLK}	8		
for Logic	Supply Voltage	V _{CC}	5.0	V
	Supply Current	I _{CC}	Max 1.0	A
for LED	Supply Voltage	V _R ·V _{PG} ·V _{PB}	5.0	V
	Supply Current	I _R ·I _{PG} ·I _{PB}	Max 7.8	A
Mass		3700	g	

Caution for Safety

 **DANGER**

Gallium arsenide material (GaAs) is used in this product.

Therefore, do not burn, destroy, cut, crush, or chemically decompose the product, since gallium arsenide material in powder or vapor form is harmful to human health.

Observe the relevant laws and regulations when disposing of the products. Do not mix them with ordinary industrial waste or household refuse when disposing of GaAs-containing products.

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