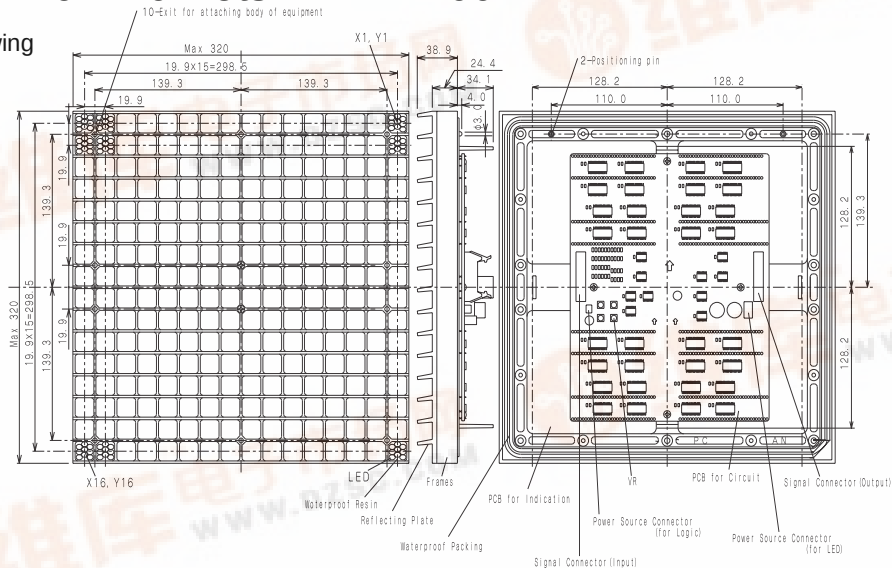


PANEL DISPLAY UNITS

320 × 320 mm

□ 18 mm 16 × 16 Dots LNP120011

■ Outline Drawing



■ Absolute Maximum Ratings (Ta = 25°C)

Item	Symbol	Ratings	Unit
Supply Voltage for Logic	V _{CC}	- 0.3 ~ + 5.5	V
Supply Voltage for LED	V _{LED}	Max 8.0	V
Input Voltage	V _{in}	- 0.3 ~ V _{CC} + 0.3	V
Operating Ambient Temperature	Topr	- 20 ~ + 45	°C
Storage Temperature	Tstg	- 30 ~ + 85	°C

■ Main Specifications (Ta = 25°C)

Item	Symbol	Ratings	Unit
Display Colors		Red, Green, Amber	
Dot Diameter		18 × 18	mm
Dots Pitch		19.9	mm
Dot Total Number		256 (16 × 16)	
Display Surface Size		Max. 320 × 320	mm
Brightness (when lighting all lamps)	B	Red : 1,800 Green : 1,000 Controllable	cd/m ²
Operating Method		Static lighting	
Clock Frequency	CLK	Max 5	MHz
for Logic	Supply Voltage	V _{CC}	5.0 ± 0.25
	Supply Current	I _{CC}	Max 1.5
for LED	Supply Voltage	V _{LED}	7.5 ± 0.2
	Supply Current	I _{LED}	Max 12 when two colors are all turned "ON"
Viewing Angle (50 % Luminous)	2θ 1/2	Min 70	°
Weight		2,400	g

