

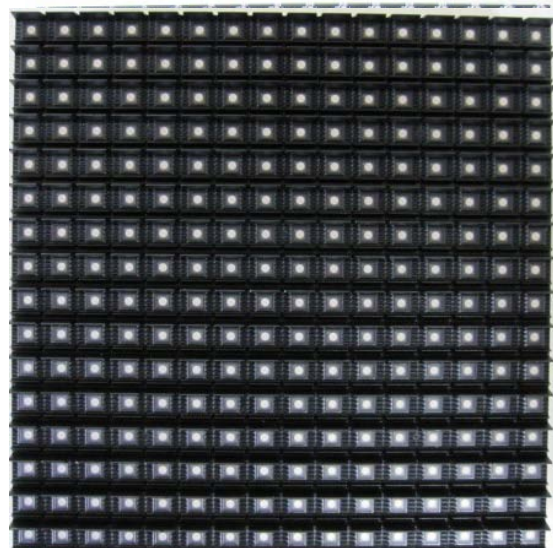
Introduction

SDM-P10RGB1616-OBAQ is the 16x16 pixel full color LED module made by 3-in-1 SMD LED, with 1/4 Duty Dynamic Driving method.

Best fit to use as video screen or message board at indoor environment, without color distribution.

Applications

- Full Color Video Screen
- Performance Screen
- Advertising Display
- Notice Board
- Back Maintenance



Features

Module Type	Outdoor LED Display Module	
LED Type	3-in-1 SMD LED	
Display Color	Red, Green, Blue	
Pixel Pitch	10mm	
Module dimension	160mm x 160mm	
Module Pixel	256 pixel / module	
Driving Method	1/4 Dynamic Duty	
Resolution	10000 dot / m ²	
Brightness (Typ.)	4500 cd/m ²	
Gray Scale	4096 Level for each color	
View Angle	Horizontal Axis	120 Degree
	Vertical Axis	120 Degree
Weight (Typ.)	800g / Module	

Product Characterize

Recommended Rating (Ta = 25°C)

Item	Symbol	Value	Unit
Supply Voltage	VCC	5.0 ± 0.2	DC V
Activity Temperature	Topr	0 ~ 45	°C

Absolute Rating (Ta = 25°C)

Item	Symbol	Value	Unit
Supply Voltage	VCC	-0.3 ~ VCC+0.3	DC V
Activity Temperature	Topr	- 10 ~ 60	°C
Storage Temperature	Tstg	- 20 ~ 85	°C

Electrical / Luminance Characterize

Luminance (Typ.)	Red	1350	cd/m2
	Green	2700	cd/m2
	Blue	450	cd/m2
	White	4500	cd/m2
Wavelength	Red	625 ± 5	nm
	Green	525 ± 5	nm
	Blue	470 ± 5	nm
Current Usage (Typ.)	Icc	5.0	A (DC 5V)
Viewing Angle (Typ.)	Horizontal Axis	120	Degree
	Vertical Axis	120	Degree

*Drive Method : 1/4 Duty Dynamic Drive (shift resistor type External & internal 4,096 gray level)

*Luminance Tolerance : 15% for each color

Module dimension

