

Introduction

SDM-P16RGB1616-OBSS is a 16×16 full color Module made by Red, Green, Blue LAMP LED, design for wide range of applications such as video screens, graphic, alphabet, numeric, symbol and VMS without color distribution.

Applications

- Full Color Video Screen
- Outdoor Concert & Performance Screen
- Stadium Display
- Advertising Display
- Sport Parameter Screen
- Back Maintenance



Features

Module Type	Outdoor LED Display Module	
LED Type	LAMP LED	
Display Color	Red, Green, Blue	
Module dimension	256mm x 256mm	
Module Pixel	256 pixel / module	
Pixel Pitch	16mm	
Resolution	3906 dot / m2	
Brightness (Typ.)	8000 cd/m2	
Viewing Angle	Horizontal Axis	110 Degree
	Vertical Axis	40 Degree
Gray Scale	4096 Level for each color	
Weight (Typ.)	1300g / 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	2400	cd/m2
	Green	4800	cd/m2
	Blue	800	cd/m2
	White	8000	cd/m2
Wavelength	Red	625 ± 5	nm
	Green	525 ± 5	nm
	Blue	470 ± 5	nm
Gray Scale	4096 Gray Scale for Each color		
Current Usage (Typ.)	Icc	8.0	A (DC 5V)
Viewing Angle (Typ.)	Horizontal Axis	110	Degree
	Vertical Axis	40	Degree

*Drive Method : Static Drive (shift resistor type External & internal 4,096 gray level)

*Luminance Tolerance : 15% for each color

Module dimension

