

P16

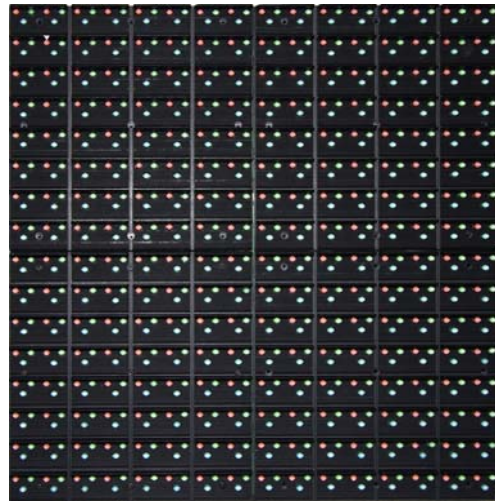
Part No.: P16

Dimension: 256mm x 256mm

Weight: 1049.5g

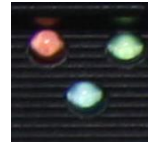
Description:

The P16 is a high brightness, lower power consumption, long life time optical-module. Designed for LED screen application.



Features:

- White Balance: D50 to D93
- Brightness:7000nits to10000nits
- Max Power Consumption: 62W
- 5 Voltage Input
- Constant Current Drive
- Extremely Thin Design
- 1R1G1B Pixel Configuration With high bright Red LED
- High Viewing Angle
- High Contrast Ratio with a perfect louver/cover



Absolute Maximum Ratings (Ta=25degree C, unless otherwise specified):

Parameter	Symbol	Value	Unit
Power Input	Vin	7	V
Power Dissipation	P _D	62	W
Driving Current	I	25 for Red 20 G&B	mA
Operation Temperature	Topr	-20 to 50	Degree C
Storage Temperature	Tsto	-40 to 80	Degree C
Operation Humidity	Hopr	10% to 90%	RH
Storage Humidity	Hsto	<60%	RH
Minimum OE	MOE	200	ns

Connector Pin Assignment (Connector)

Optical Electronic Characteristics (Ta=25degree C, unless otherwise specified):

Parameter	Symbol	Test Condition	Value	Unit
Brightness	Lv	RGB@20mA	11000	nits
White Balance*	W/B	IR=18mA	10000	nits
		IG=16A		
		IB=14.5		
Red Dominant Wavelength	R Wd	I =20mA	623	nm
Green Dominant Wavelength	G Wd	I =20mA	525	nm
Blue Dominant Wavelength	B Wd	I=20mA	470	nm
Gray Level	Gray level	Test by Linsn	12	Bits
Life Time@ 50% Brightness Light up	LT-50%	I=20mA	100000	Hour

Color Reproduction:

The triangle in the figure shows the color reproduction of P16 product.

