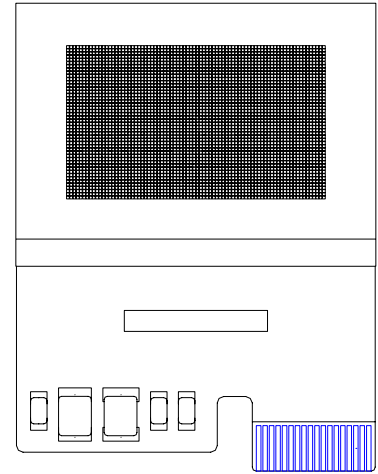


OLED DISPLAY SOLUTIONS

Pictiva™ 80x48 OLED display



OS080048PK09MXXA11

Features:

- Color On Demand, for a customized look and feel
- Graphics display matrix
- Single Color with 4-bit per pixel grayscale
- True emissive technology
- 180° viewing angle
- Passive matrix driven by an industry standard compatible IC
- Fast response, video frame rate capable
- High contrast
- Wide operating temperature range
- Thin profile

Specifications:

Display Format	80 Columns x 48 Rows				
Pixel Pitch	0.250 mm Square				
Pixel Size	0.220 mm Square				
Color, Luminance, & Lifetime	Color On Demand	CIE x	CIE y	cd/m ²	Lifetime hrs, 25°C
	Elegance Yellow	0.46	0.54	100	40K
	Light Green	0.44	0.56	70	40K
	Lime Green	0.36	0.63	100	10K
	Jungle Green	0.25	0.74	40	10K
	Clarity Orange	0.54	0.45	70	40K
	Tiger Orange	0.63	0.37	60	10K
	Scarlet Red	0.69	0.31	20	10K
Grayscale	4 bit				
Active Area	19.97 (W) X 11.97 (H) mm, 0.9 inch Diagonal				
Module Size	27.80 (W) X 36.1 (H) X 2.16 (T) mm				
Viewing Angle	180°				
Contrast Ratio	100:1 minimum				
Temperature	-30 to +70°C				
Voltage	2.4 – 3.5V (Logic), 12-13V (OLED Supply)				
Power	0.05mW (sleep mode)				
Interface	Parallel or Serial, ZIF interconnect				
Driver	SSD0323 on COF				
Weight	2.5g nominal				

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Web: www.pictiva.com

Osram holds a license from Cambridge Display Technology to manufacture and sell polymer light emitting displays. Information in this document shall not be considered as assured characteristics. All typical data and graphs are based on representative samples, but do not represent production range. Design and information may be changed without notice.

Ordering Information:

Osram Part Numbers:

- Elegance Yellow: OS080048PK09MY0A11
- Light Green: OS080048PK09MY1A11
- Lime Green: OS080048PK09MG1A11
- Jungle Green: OS080048PK09MG2A11
- Clarity Orange: OS080048PK09MO0A11
- Tiger Orange: OS080048PK09MO1A11
- Scarlet Red: OS080048PK09MR1A11

Pin Description :

PIN	Name	DESCRIPTION
1	VSS	Ground
2	VCC	OLED Power Supply Voltage
3	VDD	Logic Power Supply Voltage
4	NC	No Connect
5	NC	No Connect
6	NC	No Connect
7	NC	No Connect
8	NC	No Connect
9	NC	No Connect

PIN	Name	DESCRIPTION
10	NC	No Connect
11	SDIN	Serial Data In
12	SCLK	Serial Clock Input
13	NC	No connect
14	NC	No Connect
15	D/C#	High: Data in GDRAM Low: Command
16	NC	No Connect
17	RES#	Reset
18	CS#	Chip Select

Instruction Set Summary (typical):

Set Column Address	Set Display Offset	Set Display Clock Divide Ratio
Set Row Address	Set Multiplex Ratio	Set VCOMH
Set Contrast Control	Set DC-DC Converter	Set VP
Set Current Range	Set Phase Length	Set VSL
Set Re-map	Set Row Period	Set Grayscale Table

Mechanical Dimensions

