

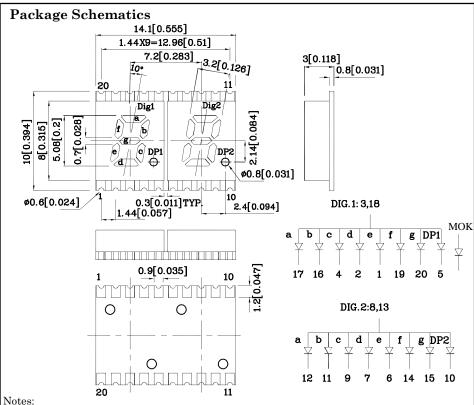
Part Number: XZFMOK05A2

SURFACE MOUNT DISPLAY

Features

- $\bullet~0.2$ inch digit height
- Robust package
- Low power consumption
- Standard configuration: Gray face w/ white segments
- Standard Package: 300pcs/ Reel
- MSL (Moisture Sensitivity Level): 2a
- RoHS Compliant





1. All dimensions are in millimeters (inches), Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.

2. Specifications are subject to change without notice.

3. The gap between the reflector and PCB shall not exceed 0.25mm.

Absolute Maximum Ratings (T _A =25°C)		MOK (AlGaInP)	Unit	
Reverse Voltage	V_{R}	5	V	
Forward Current	$I_{\rm F}$	30	mA	
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	$i_{\rm FS}$	195	mA	
Power Dissipation	P_{D}	75	mW	
Operating Temperature	TA	$-40 \sim +85$	°C	
Storage Temperature	Tstg	$-40 \sim +85$	C	

Part

Number

XZFMOK05A2

Operating Characteristics (T _A =25°C)		MOK (AlGaInP)	Unit	
Forward Voltage (Typ.) (I _F =10mA)	$V_{\rm F}$	2	v	
Forward Voltage (Max.) (I _F =10mA)	V _F	2.5	V	
Reverse Current (Max.) $(V_R=5V)$	I_R	10	uA	
Wavelength of Peak Emission CIE127-2007* (Typ.) (I _F =10mA)	λP	610*	nm	
Wavelength of Dominant Emission CIE127-2007* (Typ.) (I _F =10mA)	λD	601*	nm	
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =10mA)	$ riangle\lambda$	Δλ 29		
Capacitance (Typ.) (V _F =0V, f=1MHz)	С	15	pF	
Luminous Intensity Wavelength CIE127-2007* CIE127-2007* (I _F =10mA) ucd nm λP		Description		
min. typ.				
21000 36990 5600* 11990* 610*		Common Anode, Bt Hand Decima		

*Luminous intensity value and	wavelength	are in	accordance	with	CIE127	-2007	standards.
Jan 06,2014							

Emitting

Color

Orange

Emitting

Material

AlGaInP

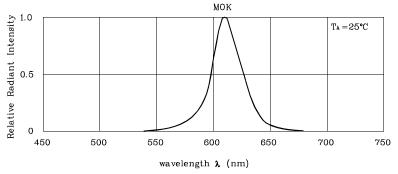
5600*

11990*

XDSA9208 V6-X Layout: Maggie L.

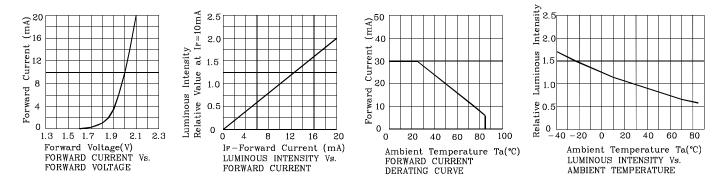
Rt.Hand Decimal.





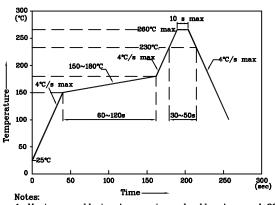
RELATIVE INTENSITY Vs. CIE WAVELENGTH

✤ MOK



LED is recommended for reflow soldering and soldering profile is shown below.

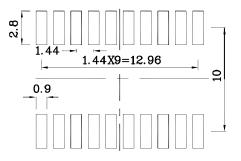
Reflow Soldering Profile for SMD Products (Pb-Free Components)



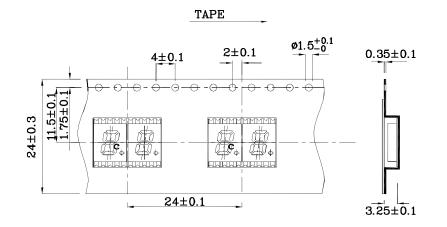
- 1. Maximum soldering temperature should not exceed 260°C
- 2. Recommended reflow temperature: 145°C-260°C 3. Do not put stress to the epoxy resin during
- high temperatures conditions



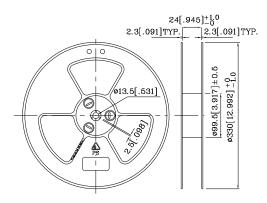
Recommended Soldering Pattern (Units : mm; Tolerance: ±0.15)



Tape Specification (Units : mm)



Reel Dimension



Remarks:

If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

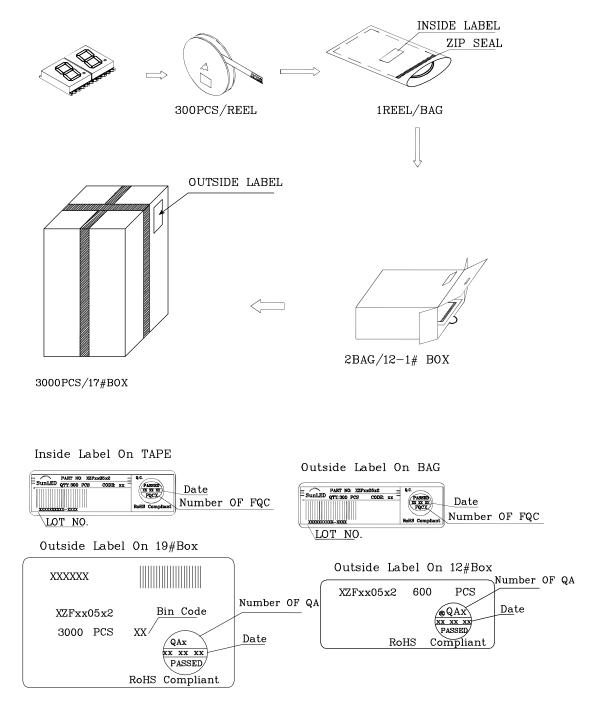
- 1. Wavelength: +/-1nm
- 2. Luminous intensity / luminous flux: +/-15%

3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.



PACKING & LABEL SPECIFICATIONS



TERMS OF USE

- 1. Data presented in this document reflect statistical figures and should be treated as technical reference only.
- 2. Contents within this document are subject to improvement and enhancement changes without notice.
- 3. The product(s) in this document are designed to be operated within the electrical and environmental specifications indicated on the datasheet. User accepts full risk and responsibility when operating the product(s) beyond their intended specifications.
- 4. The product(s) described in this document are intended for electronic applications in which a person's life is not reliant upon the LED. Please consult with a SunLED representative for special applications where the LED may have a direct impact on a person's life.
- 5. The contents within this document may not be altered without prior consent by SunLED.
- 6. Additional technical notes are available at http://www.SunLEDusa.com/TechnicalNotes.asp