

Part Number: XZFMDK14A

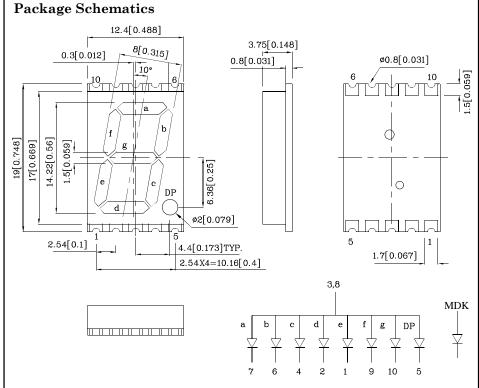
SURFACE MOUNT DISPLAY

Features

- 0.56 inch digit height
- ullet Robust package
- Low power consumption
- Standard configuration: Gray face w/ white segments
- Standard Package: 400pcs/ Reel
- MSL (Moisture Sensitivity Level): 2a
- \bullet RoHS compliant







Notes.

- 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.

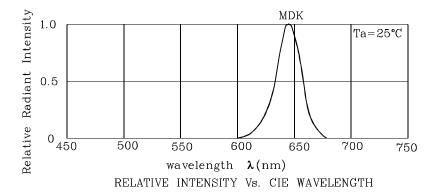
Absolute Maximum Ratings (T _A =25°C)		MDK (AlGaInP)	Unit
Reverse Voltage	V_{R}	5	V
Forward Current	I_{F}	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i_{FS}	185	mA
Power Dissipation	P_D	75	mW
Operating Temperature	$T_{\rm A}$	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	C

Operating Characteristics (T _A =25°C)		MDK (AlGaInP)	Unit
Forward Voltage (Typ.) (I _F =10mA)	V_{F}	1.85	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.) $(I_F=10\text{mA})$	λΡ 645*		nm
Wavelength of Dominant Emission CIE127-2007* (Typ.) (I _F =10mA)	λD	630*	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =10mA)	$\triangle \lambda$	28	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	C	35	pF

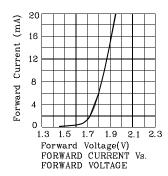
Part Number	Emitting Color			v	Description
			min. typ).	
XZFMDK14A	Red	AlGaInP	21000 439 5600* 139	645*	Common Anode,Rt. Hand Decimal.

^{*}Luminous intensity value and wavelength are in accordance with CIE127-2007 standards. Jan 17,2014

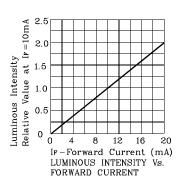


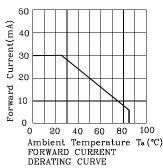


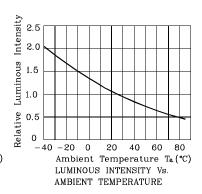
❖ MDK



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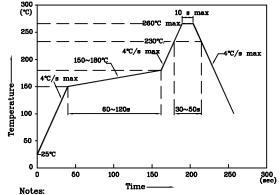






LED is recommended for reflow soldering and soldering profile is shown below.

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

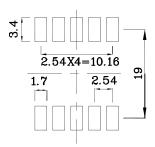


- 1. Maximum soldering temperature should not exceed 260°C
- 2. Recommended reflow temperature: 145°C-260°C
- 3. Do not put stress to the epoxy resin during high temperatures conditions

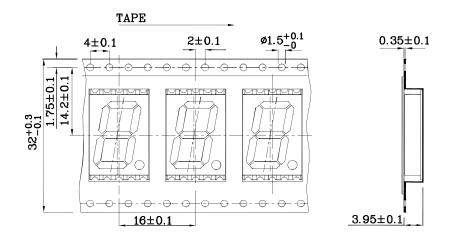




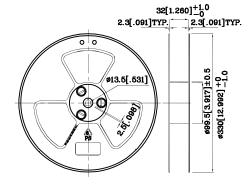
❖ Recommended Soldering Pattern (Units: mm; Tolerance: ±0.15)



❖ 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:

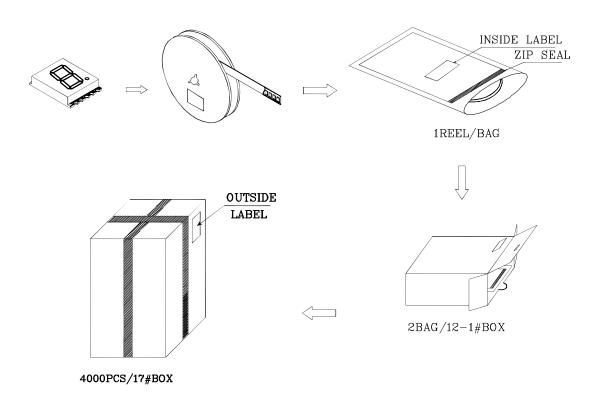
- 1. Wavelength: +/-1nm
- 2. Luminous intensity / luminous flux: +/-15%
- 3. Forward Voltage: +/-0.1V

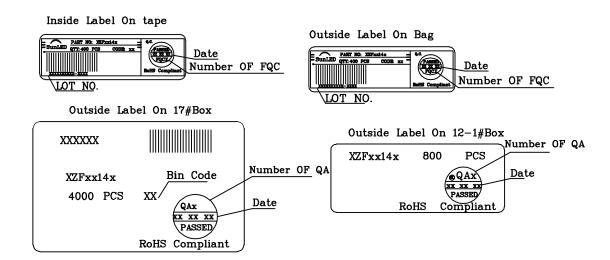
Note: Accuracy may depend on the sorting parameters.





PACKING & LABEL SPECIFICATIONS





TERMS OF USE

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- 2. Contents within this document are subject to improvement and enhancement changes without notice.
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