

Excellent Integrated System Limited

Stocking Distributor

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SunLED XZFAMDK10C2

For any questions, you can email us directly: sales@integrated-circuit.com



Distributor of SunLED: Excellent Integrated System Limited

Datasheet of XZFAMDK10C2 - DISPLAY 0.4" 2DIGIT RED CC SMD

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com



Part Number: XZFAMDK10C2

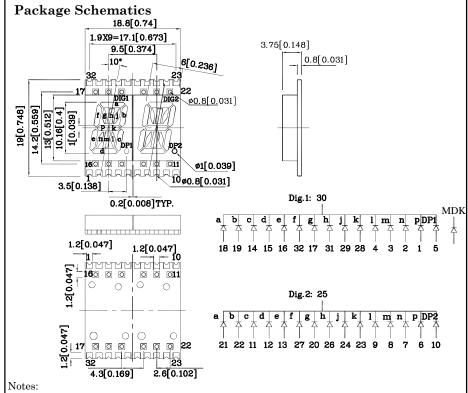
SURFACE MOUNT DISPLAY

Features

- 0.4 inch digit height
- Robust package
- Low power consumption
- Standard configuration: Gray face w/ white segments
- Standard Package: 250pcs/ 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)	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 =10mA)	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)	С	35	pF

Part Number	Emitting Color	Emitting Material	$\begin{array}{c} Luminous\ Intensity \\ CIE127\text{-}2007^* \\ (I_F\text{=}10\text{mA}) \\ ucd \end{array}$	Wavelength CIE127-2007* nm λP	Description
			min. typ.		
XZFAMDK10C2	Red	AlGaInP	14000 35990 3600* 8290*	645*	Common Cathode, Rt. Hand Decimal

*Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.

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XDSB1617 V4-X Layout: Maggie L.



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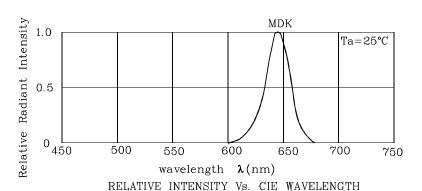
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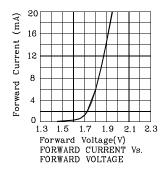


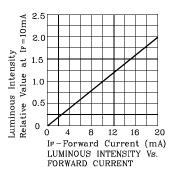
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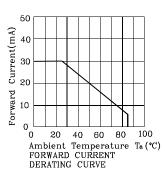
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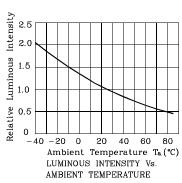


♦ MDK



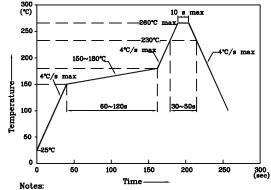






LED is recommended for reflow soldering and soldering profile is shown below.

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



- 1. Maximum soldering temperature should not exceed 260°C 2. Recommended reflow temperature 145°C 2000 Recommended reflow temperature: 145°C-260°C
- Do not put stress to the epoxy resin during
- high temperatures conditions

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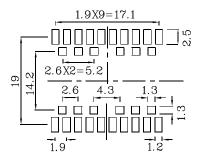
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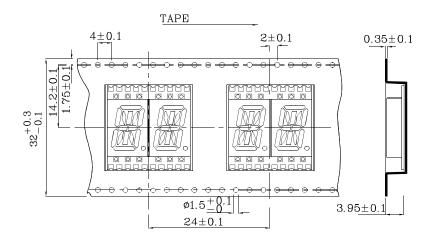
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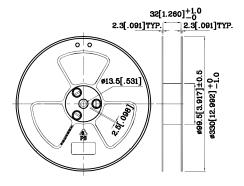
❖ Recommended Soldering Pattern (Units: mm; Tolerance: ±0.15)



* 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.

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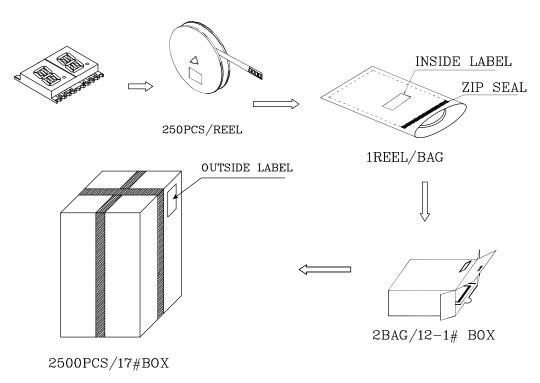
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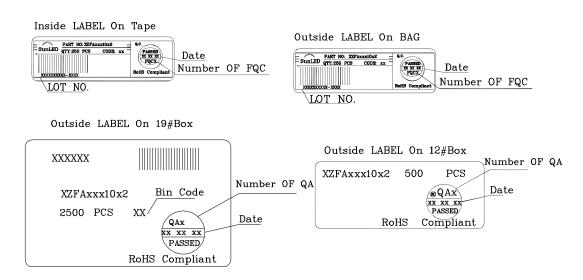


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PACKING & LABEL SPECIFICATIONS





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