

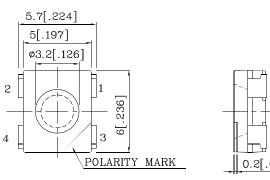
## Part Number: XZM2ACR82W 5.0X6.0mm SURFACE MOUNT LED LAMP

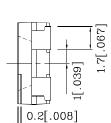
## PRELIMINARY SPEC

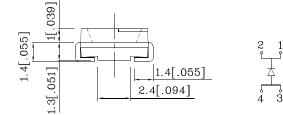
## Features

- $\bullet Single \ color.$
- $\bullet Suitable for all SMT assembly and solder process.$
- $\bullet Available on tape and reel.$
- •Ideal for backlighting.
- •Package : 500pcs / reel.
- $\bullet Moisture \ sensitivity \ level: level \ 4.$
- •RoHS compliant.









## Notes:

1. All dimensions are in millimeters (inches).

2. Tolerance is  $\pm$  0.25(0.01") unless otherwise noted.

3.Specifications are subject to change without notice.

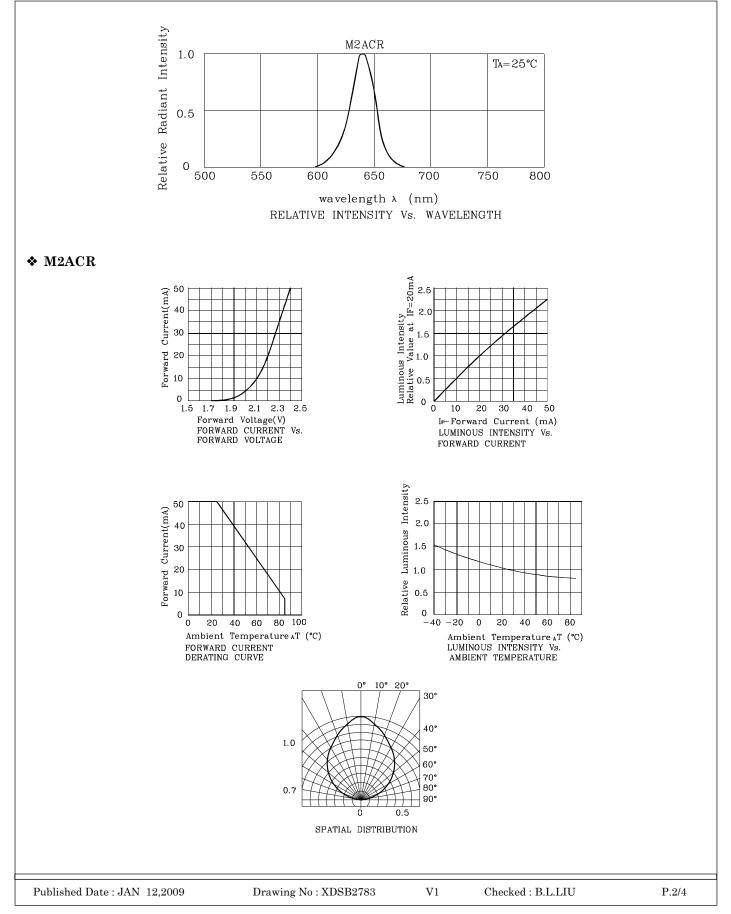
Absolute Maximum Rating (TA=25°C)	M2ACR (AlInGaP)	Unit		
Reverse Voltage	VR	5	V	
Forward Current	IF	50	mA	
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	150	mA	
Power Dissipation	Рт	140	mW	
Operating Temperature	ТА	-40 ~ +85	°C	
Storage Temperature	Tstg	$-40 \sim +85$	U	

Operating Characteristic (TA=25°C)	M2ACR (AlInGaP)	Unit	
Forward Voltage (Typ.) (IF=20mA)	VF	2.2	V
Forward Voltage (Max.) (IF=20mA)	VF	2.8	v
Reverse Current (Max.) (VR=5V)	Ir	10	uA
Wavelength Of Peak Emission (Typ.) (IF=20mA)	λP	640	nm
Wavelength Of Dominant Emission (Typ.) (IF=20mA)	λD	630	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=20mA)	Δλ	25	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	С	27	pF

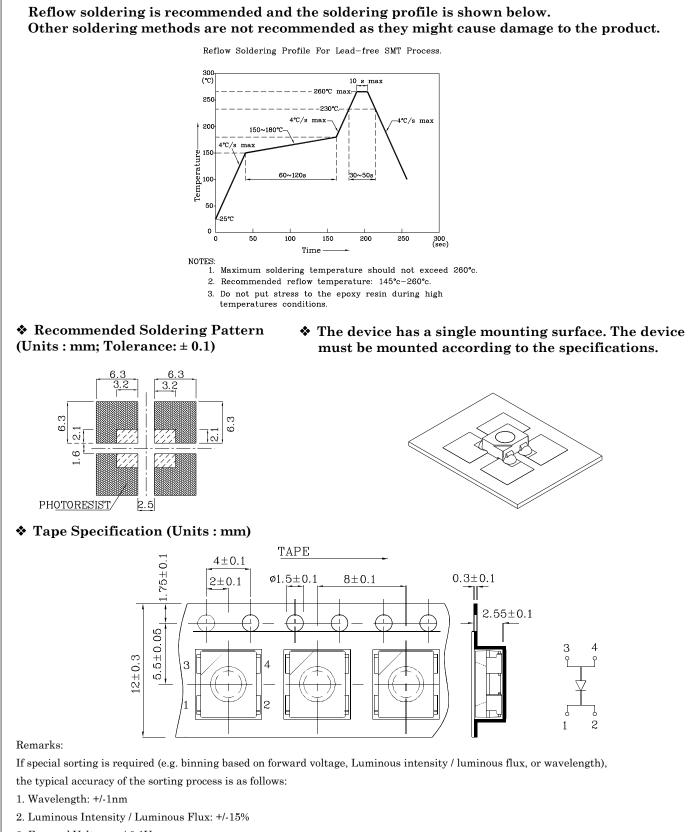
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=50mA) mcd		Wavelength nm λ P	Viewing Angle 2 0 1/2
				min.	typ.		
XZM2ACR82W	Red	AlInGaP	Water Clear	3300	4490	640	100°
Published Date : J.	AN 12,2009	Drawing	: No : XDSB2783	V1	Checked : l	B.L.LIU	P.1/4











3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

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