

## 3.8x2.0mm DOME LENS SMD CHIP LED LAMP

# PRELIMINARY SPEC

### Features

- 3.8mmx2.0mm SMT LED, 3.2mm thickness.
- Low power consumption.
- Ideal for backlight and indicator.
- Various colors and lens types available.
- Package : 500pcs / reel.
- $\bullet$  Moisture sensitivity level : level 3.
- $\bullet$  RoHS compliant.



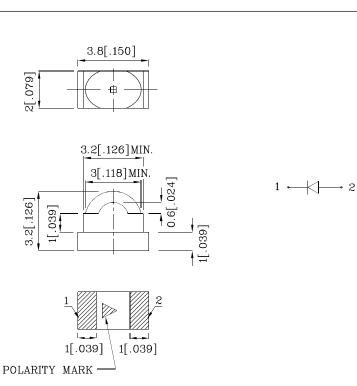
#### Notes:

1. All dimensions are in millimeters (inches).

2. Tolerance is  $\pm$  0.2 (0.008") 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	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	150	mA
Power Dissipation H		84	mW
Operating Temperature	ТА	$\text{-}40 \sim \text{+}85$	°C
Storage Temperature	Tstg	$\text{-}40 \sim \text{+}85$	-0

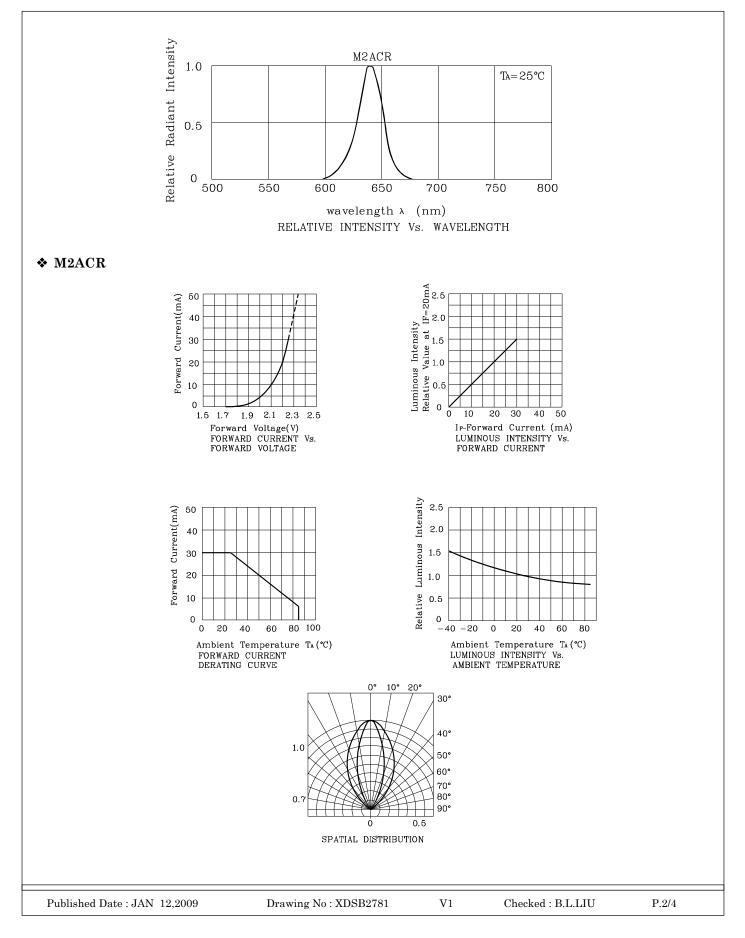


Operating Characteristic (TA=25°C)	M2ACR (AlInGaP)	Unit	
Forward Voltage (Typ.) (IF=20mA)	VF	2.2	v
Forward Voltage (Max.) (IF=20mA)	VF	2.8	v
Reverse Current (Max.) (VR=5V)	IR	10	uA
Wavelength Of Peak Emission (Typ.) (IF=20mA)	λΡ	640	nm
Wavelength Of Dominant Emission (Typ.) (IF=20mA)	λD	630	nm
Spectral 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=20mA) mcd		Wavelength nm λ P	Viewing Angle 2 0 1/2
				min.	typ.		
XZM2ACR79W	Red	AlInGaP	Water Clear	1200	1990	640	60° (H) 35° (V)
Published Date : JA	N 12,2009	Drawin	g No : XDSB2781	V1	Checke	ed : B.L.LIU	P.1/4

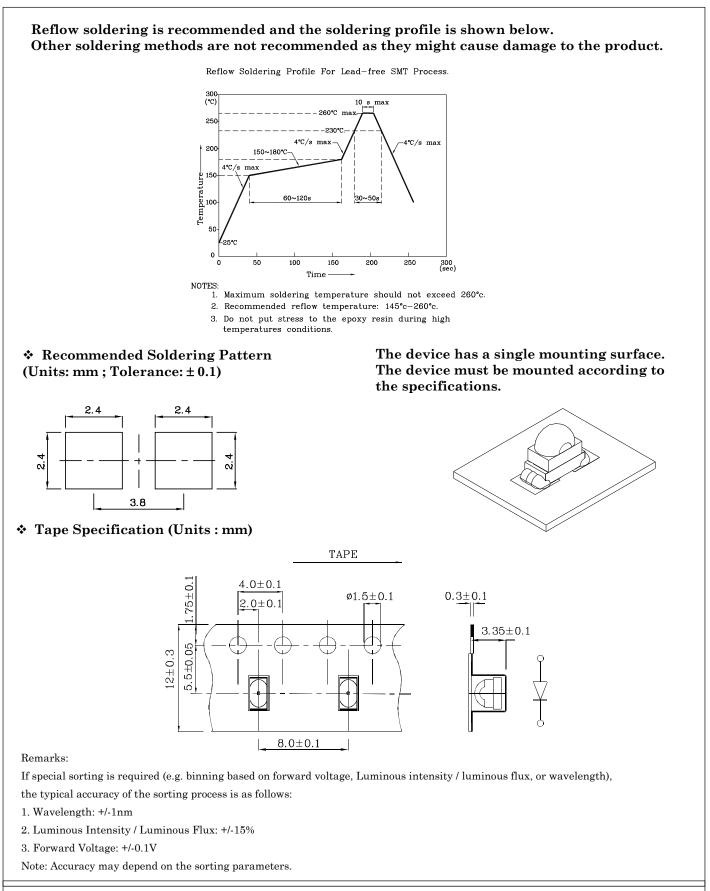


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Drawing No : XDSB2781

V1



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